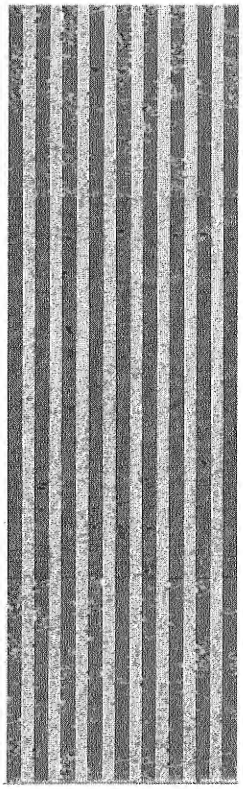
IntelliFAX600/650 M

OWNER'S MANUAL



brother®

IMPORTANT NOTICE

This is to remind you that your new Fax unit includes a starter roll of our new Therma PLUS Fax paper.

- **feels like plain paper**
- **reduces print fading (under normal filing conditions)**
- **easy to write on**
- **you can even use a highlighter**

Remember, it is your choice to either use Therma PLUS paper (Brother reorder #6890) or to use standard Fax paper (Brother reorder #6825).

IMPORTANT USER INFORMATION

The following operational information should be included in our Owner's Manual.
---- PLEASE READ BEFORE CONTINUING ----

1) USING THE TAD INTERFACE FOR TELEPHONE ANSWERING MACHINE HOOK-UP (ADDENDUM TO PAGE 9-5 FOR MODEL INTELLIFAX 600/ 650M OWNER'S MANUAL).

In some cases, your fax may not be able to detect a phone call from a fax call until after your answering machine has completely played the outgoing message. This is a standard telecommunication protocol and not a product problem.

Therefore, the following procedure must be followed when you connect your fax with a telephone answering device (TAD)....

STEP 1) The number of rings on your telephone answering device, if adjustable, should be set to its lowest value (less than 4 rings).

STEP 2) The outgoing message on your telephone answering device, should be recorded at less than 20 seconds in length.

For best operation, we recommend a five second blank area in the beginning of the outgoing message.

A calling fax unit will send a calling tone for only 35 seconds after it dials your telephone/fax number. Therefore, in order for your telephone answering device to pick-up, the length of your outgoing message plus the number of rings of your answering device should not exceed 35 seconds.

2) RADIO STATION INTERFERENCE (ADDENDUM TO PAGE 10-1 FOR MODEL INTELLIFAX 600/650M OWNER'S MANUAL).

With the number of cellular phones and microwave towers, it is possible that you may experience radio station noise while using your fax handset as a telephone (depending on your geographic location in relation to these towers).

If you experience this handset noise, simply fax us the following information to FAX # (908) 469-4547.

* Your Name
* Address
* Phone Number
* Fax Number
* Explanation of the frequency problem

We will then immediately contact you with an easy, no cost solution for your location.

YOUR BROTHER FAX REFERENCE SECTION

■ IntelliFAX600/650M FUNCTION SELECTION CHART

1. Press FUNCTION key, select function (1-6).
2. Press SET.
3. Select sub-function (1-9).
4. Follow prompt message, if displayed.

Main Function Selections		Sub Function Selections	
Funct. NO.	**Item Description**	**Funct. NO.**	**Item Description**
1	Temp. Settings	1	Contrast
		2	Resolution
		3	Overseas Mode
2	Cancel Job		Not available
3	Print Reports	1	Act. Report
		2	All Dial
		3	Coverpage
		4	Call Back Msg
		5	User Options
		6	Xmit Report
4	Set Auto Dial	1	One-Touch Dial
		2	Speed-Dial

Funct. NO.	Main Function Selections	Funct. NO.	Sub Function Selections
5	User Options	1	Tone/Pulse
		2	Ring Delay
		3	Auto Redial
		4	Speaker Volume
		5	F/T Ring Time
		6	Smoothing
		7	Beeper
		8	Coverpage
		9	Ring Volume
6	Setup System	1	Date/Time
		2	Daily Timer
		3	Interval
		4	Station ID
		5	Remote Code
		6	Set Coverpage (only for Intellifax650M)

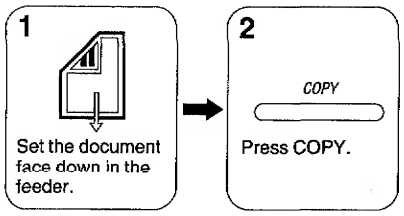
YOUR BROTHER FAX REFERENCE SECTION

- **The control panel keys**
  A description of the control panel is shown on page 3–1.

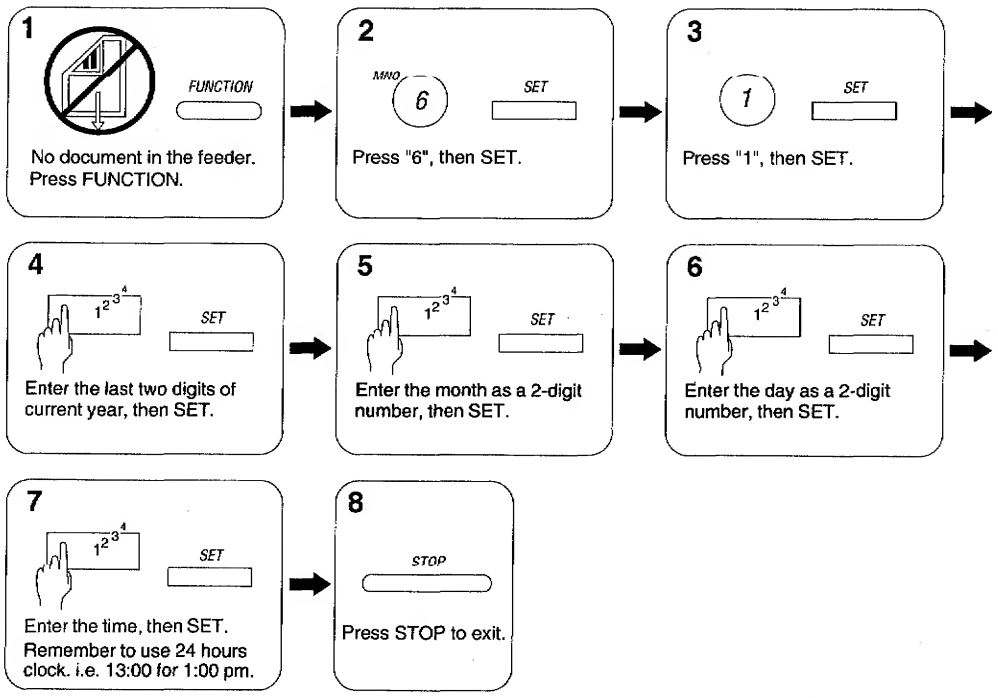
- **Loading paper**
  Paper loading is described on page 2–2.

- **Connecting your fax to the telephone line.**
  The method for connecting the machine to a telephone line is described on page 2–5.

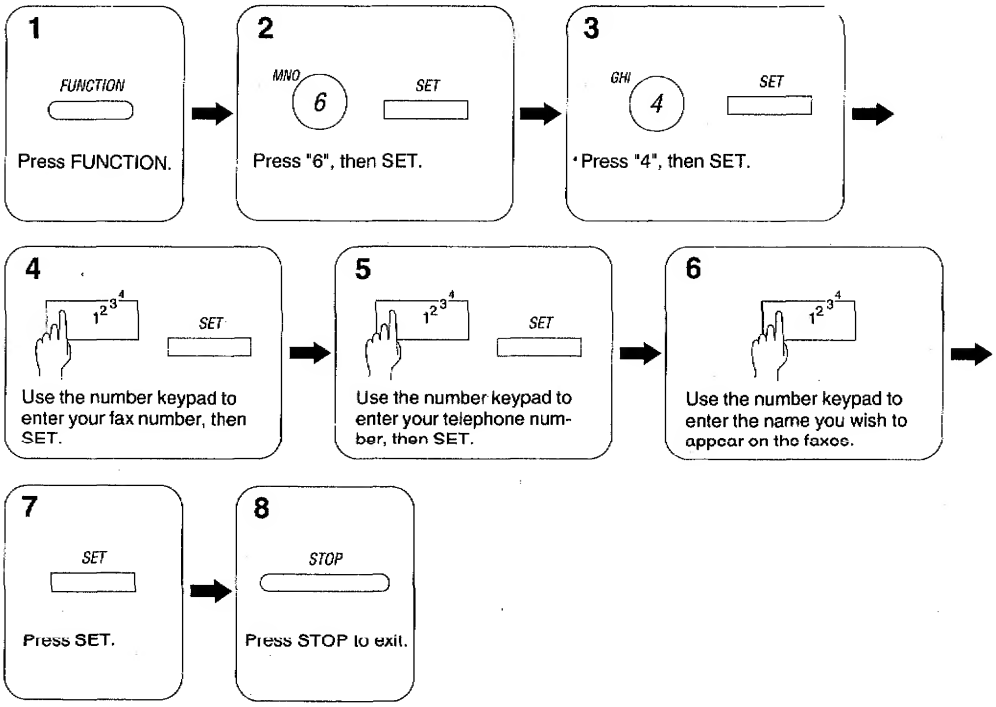
- **Making a copy**



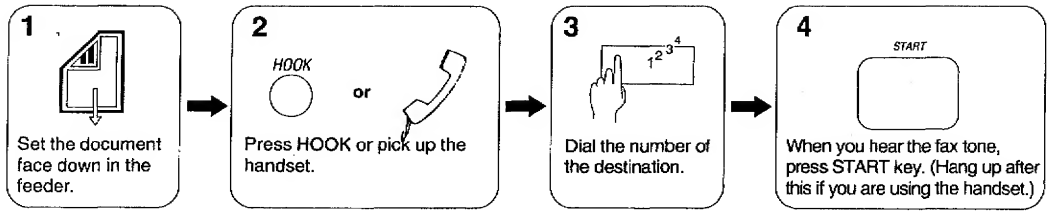
- **Setting the date and time**



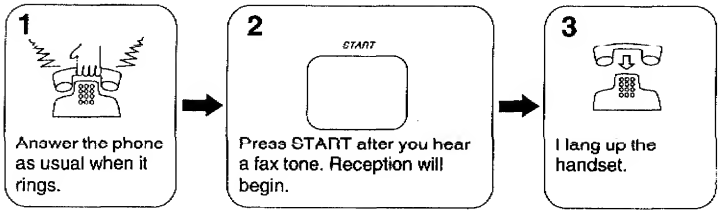
- **Registering the station ID**



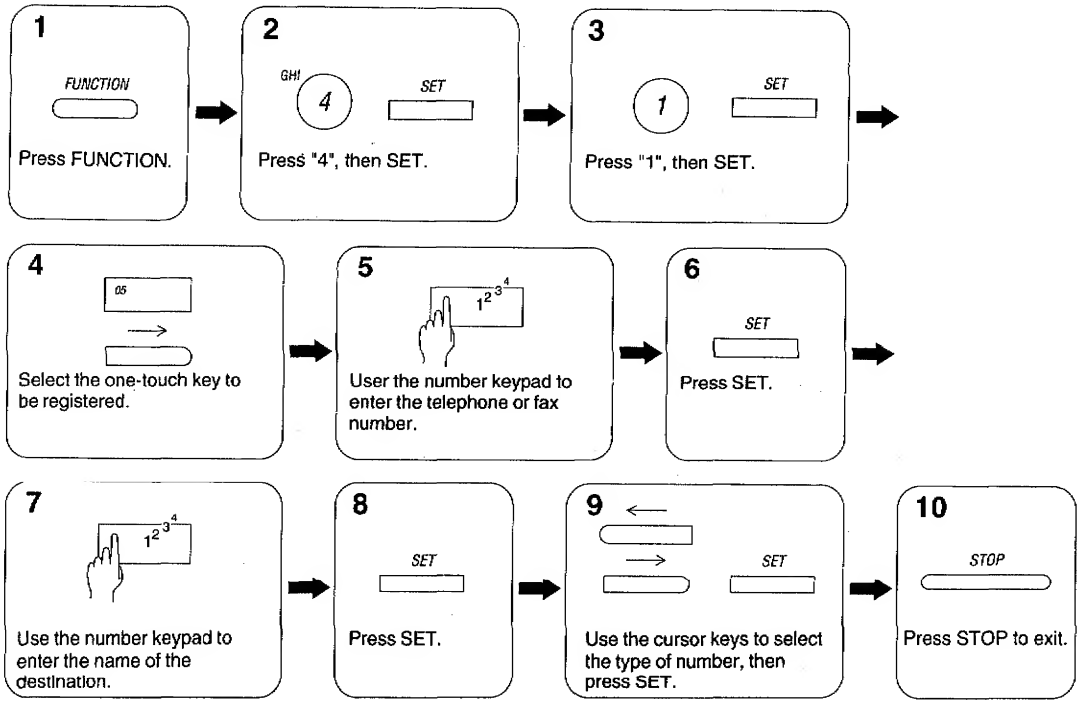
- **Sending a fax (Manual Transmission. No CNG tone will be sent.)**



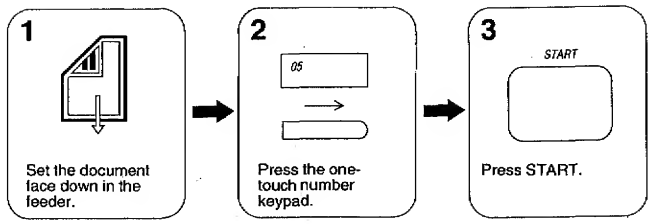
- **Manual reception of faxes**



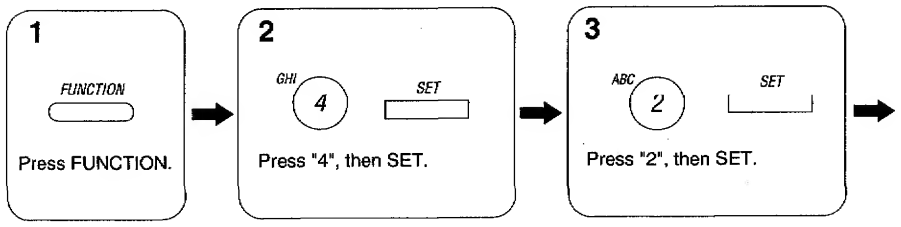
- **Registering one-touch numbers**

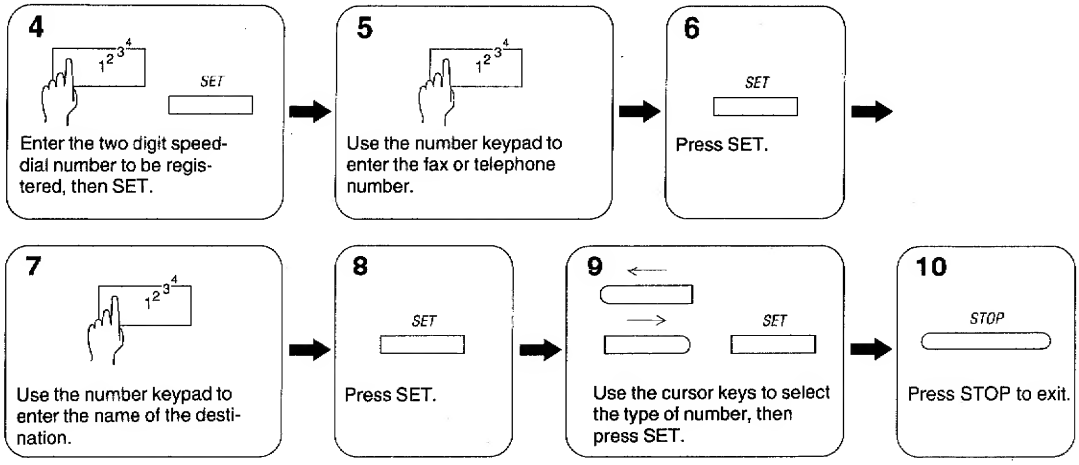


- **Sending a one-touch fax**

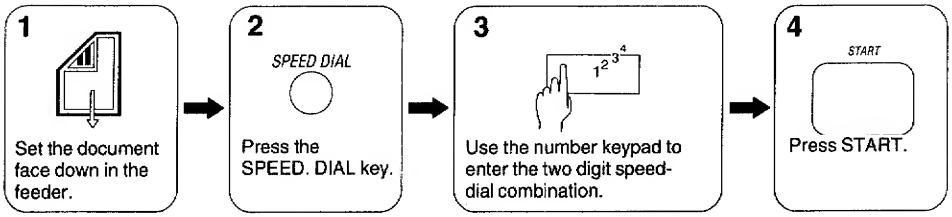


- **Registering speed-dial numbers**

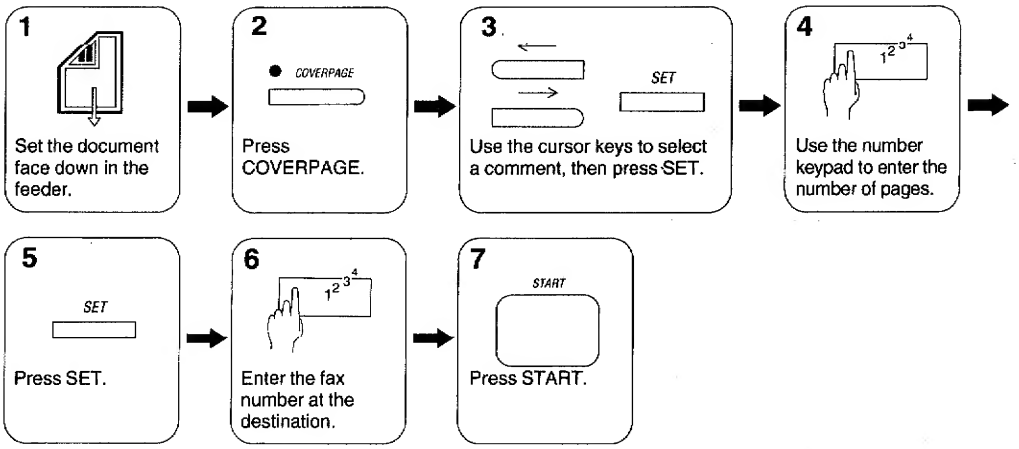




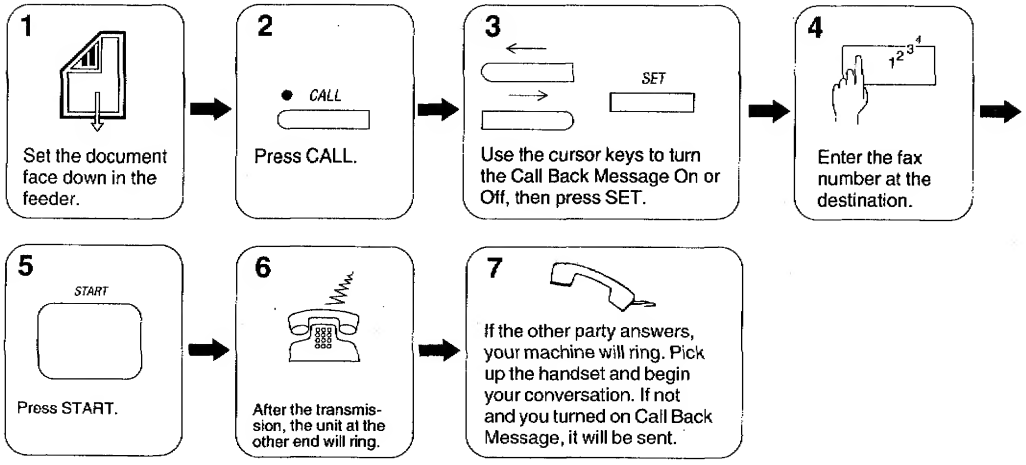
- **Sending speed-dial faxes**



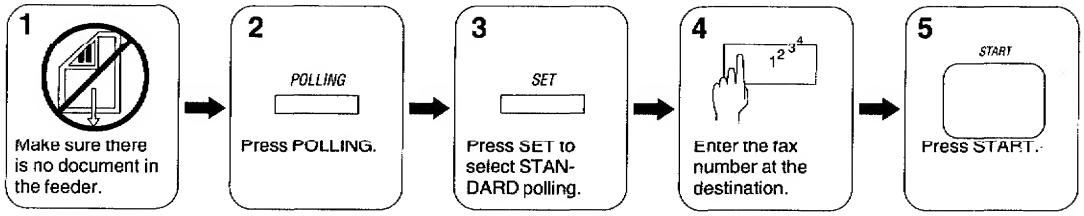
- **Sending a fax with a super COVERPAGE**



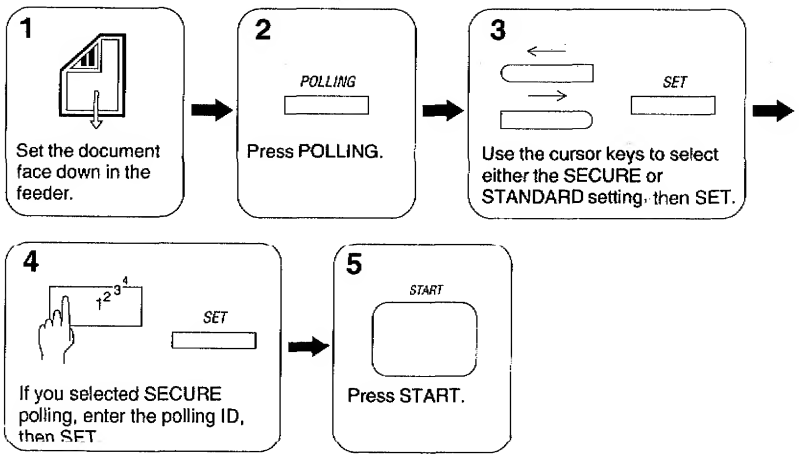
- **Sending a fax with Call Reservation**



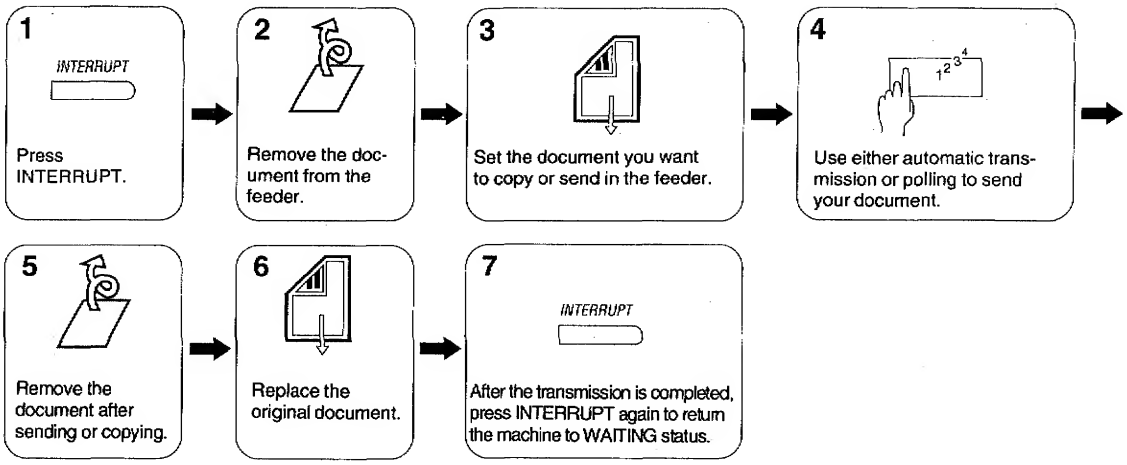
- **Standard Polling**



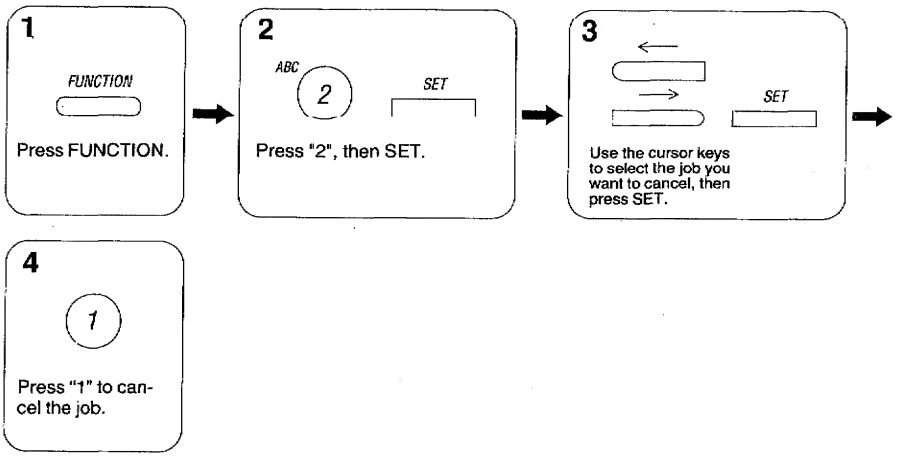
- **Setting a document to be polled**



- **Interrupting a transmission**



- **Cancelling a job**



* Auto Redial can be cancelled by simply pressing the STOP key.

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1. GENERAL INFORMATION

Introduction

Thank you for purchasing this Brother IntelliFAX600/650M.

This modern, desktop facsimile machine can be used for sending and receiving faxes, nationally and internationally, via the public telephone network. It has a wide range of functions that facilitate fax transmission and reception.

The IntelliFAX600/650M has been designed to be simple to use, but please take a little time to read this owner's manual, to ensure that your IntelliFAX600/650M gives the best performance, and years of trouble-free service.

Standard Telephone And FCC Notices (Only applies to 120 V model)

These notices are in effect on models sold and used in U.S.A.

This equipment is hearing-aid compatible.

When programming emergency numbers and/or making test calls to emergency numbers:

- Remain on the line and briefly explain to the dispatcher the reason for the call before hanging up.
- Perform such activities in the off-peak hours, such as early morning or late evening.

This equipment complies with Part 68 of the FCC Rules. On the rear panel of this equipment is a label that contains, among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. You must, upon request, provide this information to your telephone company.

You may safely connect this equipment to the telephone network by means of the standard modular jack, USOC RJ11C.

The REN is useful to determine the quantity of devices you may connect to your telephone line and still have those devices ring when your telephone number is called. In most, but not all areas, the sum of the RENs of all devices connected to one line should not exceed five (5). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to determine the maximum REN for your calling area.

If your IntelliFAX600/650M causes harm to the telephone network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But if advanced notice is not practical, you will be notified as soon as possible. You will be informed of your right to file a complaint with the FCC.

Your telephone company may make changes in its facilities, equipment, operations or procedures that could affect the proper functioning of your equipment. If they do, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service.

If you experience trouble with this IntelliFAX600/650M, please contact the manufacturer's authorized service agency for information on obtaining service or repair. The telephone company may ask that you disconnect this equipment from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning.

If you are not able to solve a problem with your fax machine, contact Brother service personnel at 1-800-284-4 FAX (U.S.A. Only).

Warning

For protection against the risk of electrical shock, always disconnect all cables from the wall outlet before servicing, modifying or installing the equipment.

This equipment may not be used on coin service provided by the telephone company nor connected to party lines.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Brother cannot accept any financial or other responsibilities that may be the result of your use of this information, including direct, indirect, special or consequential damages. There are no warranties extended or granted by this document.

The serial number may be found on the label affixed to the back of the unit. For your convenience, note the number below and retain this owner's manual to serve as a permanent record of your purchase, in the event of a theft or fire, or for future reference.

MODEL NO. IntelliFAX600/650M SERIAL NO. _____
NAME OF DEALER _____
DATE OF PURCHASE _____

Important Safety Instructions

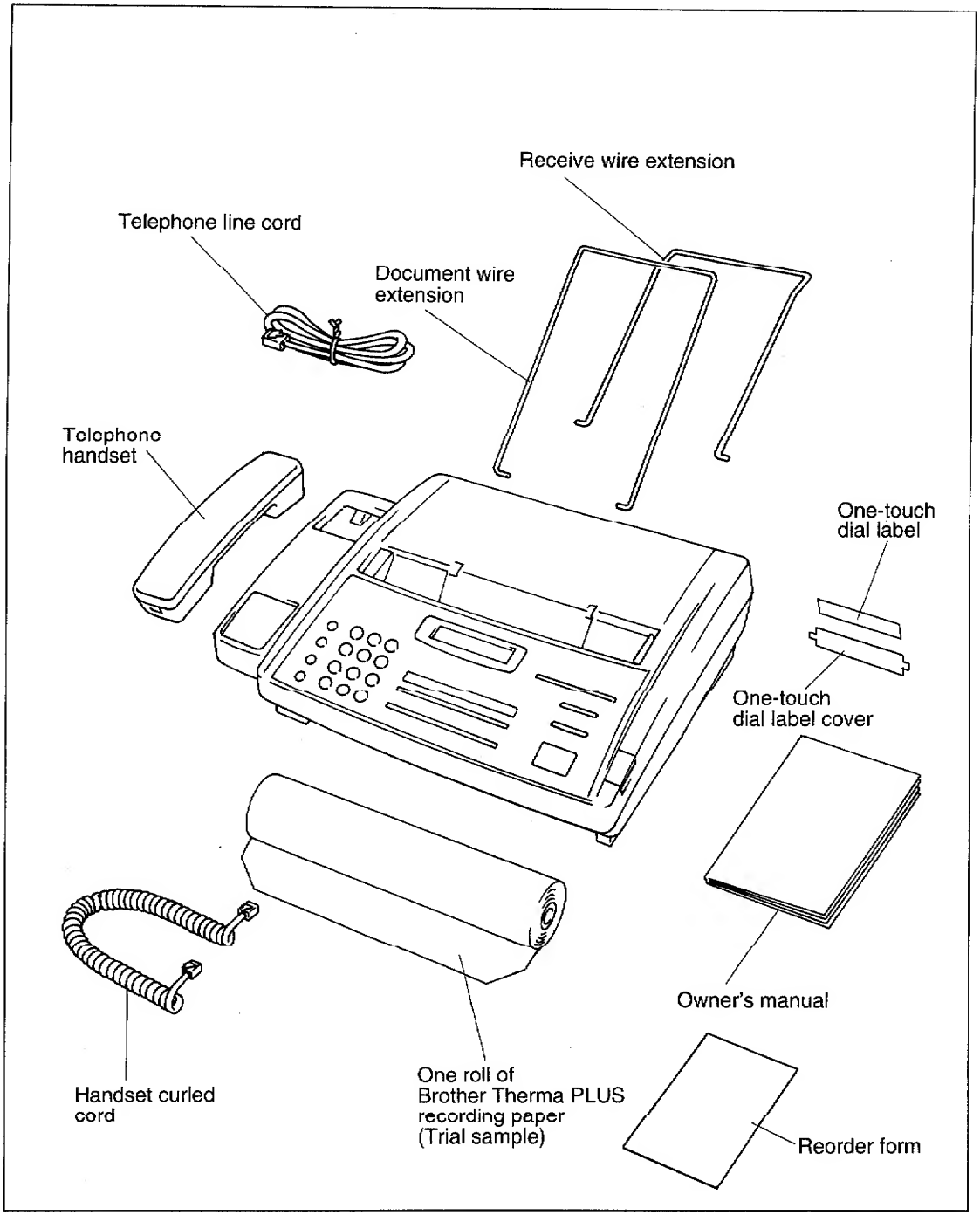
1. Read all of these instructions.
2. Save them for later reference.
3. Follow all warnings and instructions marked on the product.
4. Unplug this product from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
5. Do not use this product near water.
6. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
7. Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
8. This products should be operated from the type of power source indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
9. This product is equipped with a 3-wire grounding type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the purpose of the grounding-type plug.
10. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
11. If an extension cord is use with this product, make sure that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord ampere rating. Also, make sure that the total of all products plugged into the wall outlet does not exceed 15 amperes (U.S.A. only).
12. Never push objects of any kind into this product through cabinet slots as they may touch dangerous-voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
13. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refers all servicing to service personnel at 1-800-284-4 FAX.
14. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

A. When the power cord or plug is damaged or frayed.
B. If liquid has been spilled into the product.
C. If the product has been exposed to rain or water.
D. If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
E. If the product has been dropped or the cabinet has been damaged.
F. If the product exhibits a distinct change in performance, indicating a need for service.

2. INSTALLATION

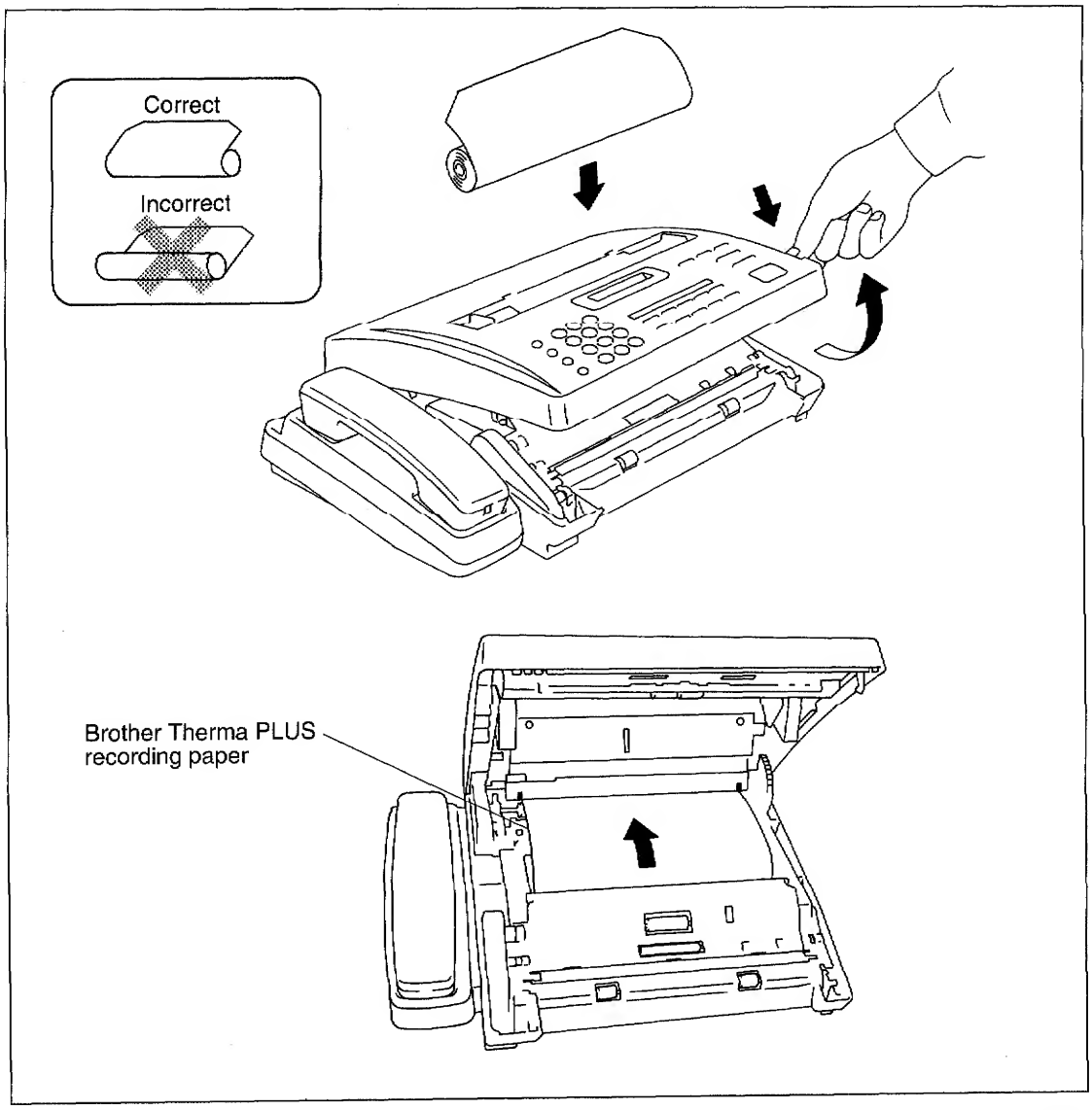
Unpacking The Machine

Unpack the unit and accessories from the box. Check that you have all the items shown below.



Loading Paper

1) Open the top cover of the machine by pressing the release button.
2) Remove the protective wrapping from the roll of recording paper, and unroll about 4 inches of paper from the roll.
3) Insert paper roll into paper bin, with paper coming off the top of the roll. (Otherwise fax messages will not print on the thermal coated side of the paper).
4) Insert the roll of recording paper placing paper between guide lines. Leave about 4 inches protruding from the back of the machine. Take slack out of paper by pulling the paper tight.
5) Close the top cover of the machine, pressing down gently but firmly until the latches click.



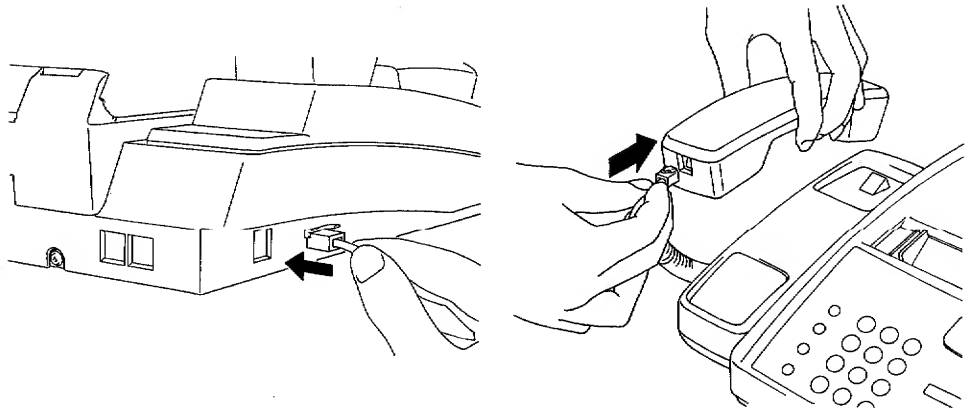
Selecting A Location

The following points should be kept in mind when selecting a place to set up your fax machine.

- ***Place the fax machine on a flat, stable surface such as a desk or stand.***
- ***Select a place where the machine will not be subjected to bumping or excessive vibration.***
- ***Do not set it up in a high-traffic area.***
- ***Locate the unit near a telephone wall jack and a standard, grounded power outlet.***
- ***Avoid setting up the machine near heaters, air conditioners, water, chemicals or refrigerators.***
- ***Avoid direct sunlight, excessive heat, moisture, or dust.***
- ***Do not connect the unit to electrical outlets controlled by wall switches or automatic timers. Disruption of power can wipe out information in the unit's page memory.***
- ***Do not connect the unit to electrical outlets on the same circuit as large appliances and other equipment that might disturb the power supply.***
- ***Avoid interference sources, such as speakers or the base units of cordless telephones.***

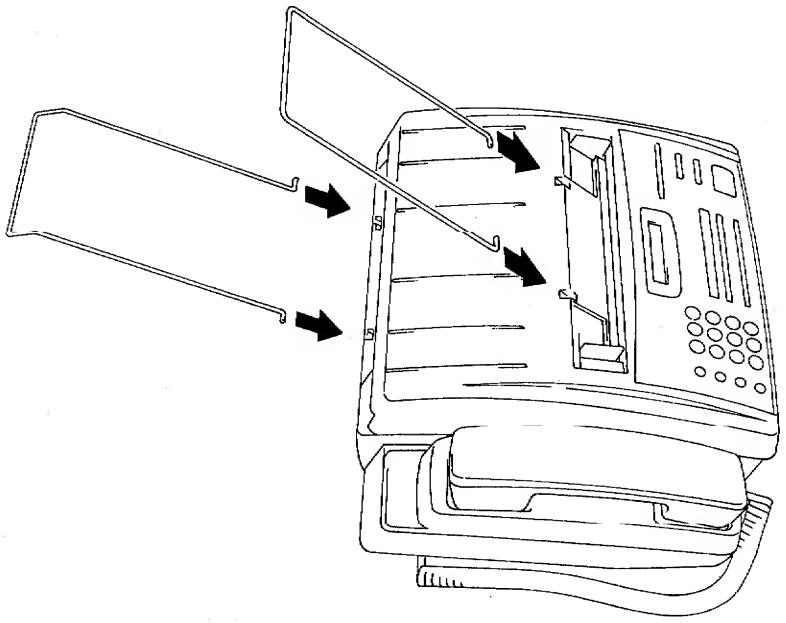
Connecting The Handset

1) Connect the handset by locating the insert opening on the left side of the telephone cradle and plugging in the curled handset cord.
   Push firmly and listen for the click as it locks in place.
2) Insert the other end of the handset cord in the opening at the mouthpiece end of the handset. This should click into place as well.



Installing The Wire Extensions

1) Pinch the ends of the receive wire extension together slightly and insert the prongs into the holes provided at the rear of the machine as shown in the illustration.
2) Pull the ends of the document wire extension apart slightly and insert them into the holes provided on the machine as shown in the illustration.



• *Install the wire extensions with the curved parts of the wire extension pointing downward.*

Connecting The Unit To A Power Outlet

Important
The machine must always be connected to the power outlet before you connect it to a telephone line.

Similarly, when moving the unit, the telephone line connection should be removed before unplugging the power cord. This is because the machine relies on the ground from the plug to protect you from any hazardous electrical conditions occuring on the telephone network.

The IntelliFAX600/650M can be plugged into any standard, grounded, power outlet.

- *Make sure that the socket is grounded and is not on the same circuit as any large appliances or office machines such as refrigerators or photocopiers, since these can generate interference that may affect the operation of the IntelliFAX600/650M. The power requirements for the IntelliFAX600/650M can be found in the SPECIFICATIONS section. (page 16–1).*
- *There is no ON/OFF switch. As soon as the machine is plugged to a live power outlet it is ON and the date/time display will appear on the LCD screen.*
- *When the machine is plugged in, the recording paper will be fed through automatically.*

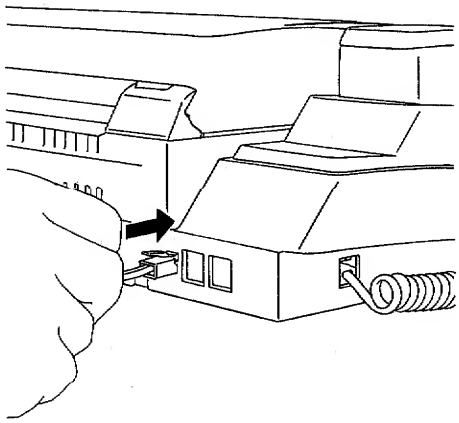
WARNING: This apparatus must be grounded using 3 prong plug.

Connecting The Unit To A Telephone Line

If you plan to use a single telephone line connection follow the instructions below. This is straightforward if your telephone receiver is connected using modular telephone jacks.

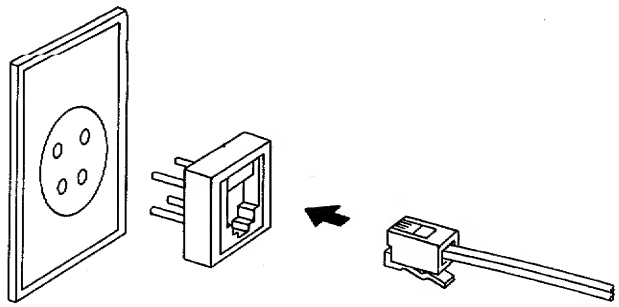
1) Plug one end of the telephone line cord into the back of the fax machine. Use the LINE socket located farthest to the left. Make sure it clicks into place.

2) Plug the other end of the cord into the telephone wall jack socket. Make sure this end clicks into place.
If you have call waiting, ring master, or any other custom calling feature on your telephone line it may create a problem in the operation of your fax unit.



Jacks

If you have the older 4-prong telephone wall jack, you must use a modular 4-prong adapter (USOC RJA1X). Plug the adapter into the wall jack and then plug the telephone cord into the adapter, as shown in the illustration below.



Multi Line Connections (PBXs)

Most offices use a central telephone system. While it is often relatively simple to connect the machine to a key system or a PBX (private branch exchange), we suggest that you contact the company which installed your telephone system and ask them to connect the fax machine for you.

It is advisable to have a separate line for the fax machine. You can then leave the machine in AUTO ANSWER mode to receive faxes at any time of the day or night.

If the fax machine is to be connected to a multi-line system, ask your installer to connect the unit to the last line on the system. This will prevent the unit from being activated each time a telephone call is received.

- ***As with all fax units this machine must be connected to a two wire system. If your line has more than two wires proper connection of the fax machine can not be made.***

Connecting To A Private Branch Exchange

The following points should be kept in mind if you are installing the machine to work with a private branch exchange (PBX).

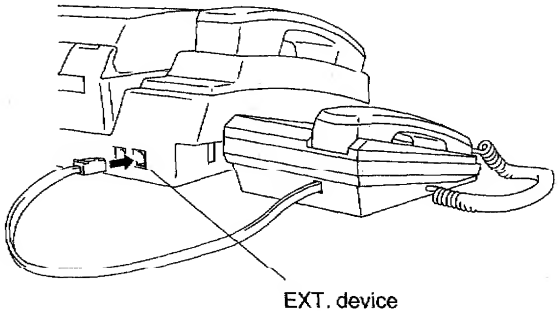
1) It is not guaranteed that the unit will operate correctly under all circumstances with PBXs. Any cases of difficulty should be reported first to the company that handles your PBX.

2) If all incoming calls will be answered by a switchboard operator, it is recommended that the AUTO ANSWER function be set to be manual. (see page 9–1) All incoming calls should initially be regarded as telephone calls.

3) The unit may be used with either the pulse or tone dialing telephone types.

Connecting The Unit To An External Telephone

Connect an external telephone to the Ext. Device Jack as shown.

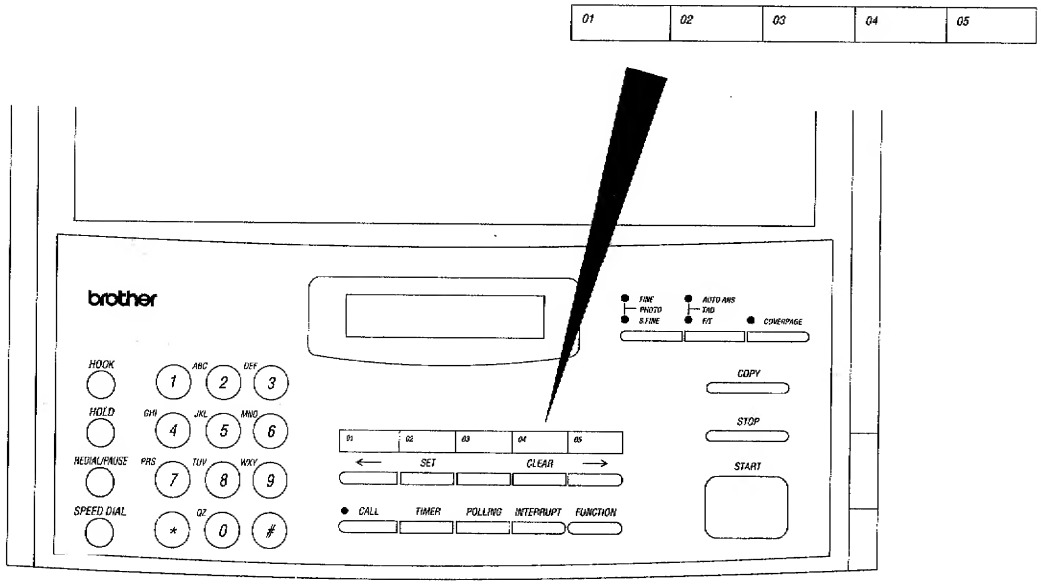


You can remotely activate the machine using your external telephone. This is described in the section "Remote Activation" (See 9–4).

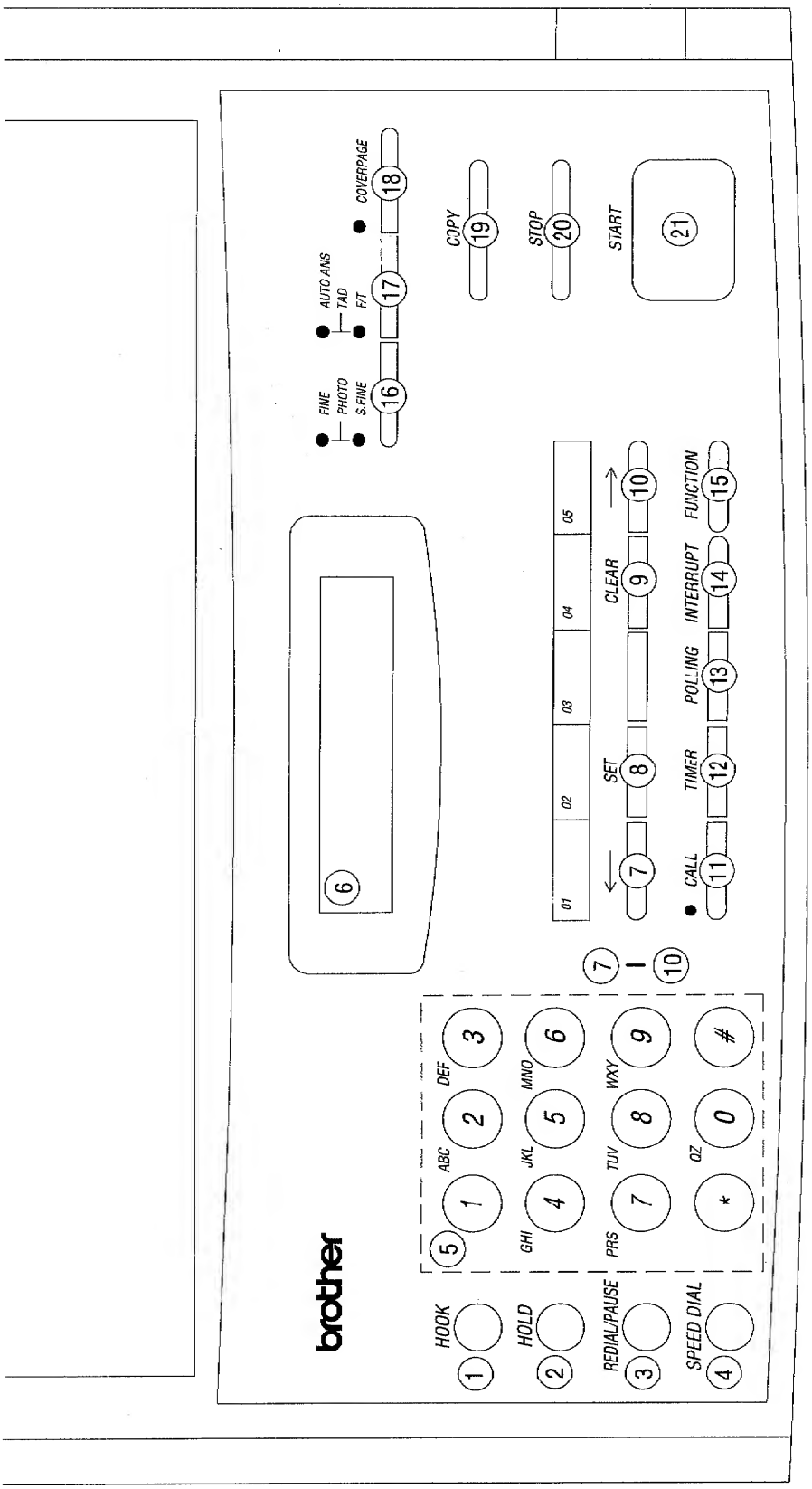
You can also attach a Telephone Answering Machine to the Ext. device jack instead of a telephone.

Installing The One-Touch Dial Label

Locate the one-touch dial label as shown in the diagram below and cover it with the plastic sheet.



The Control Panel Keys



3. BASIC OPERATION

The Control Panel

A summary and brief description of the controls and indicators on the IntelliFAX600/650M control panel is given below. This should be used with reference to the accompanying, numbered diagram of the control panel. More detailed descriptions of the function of each control will be found in the relevant section of this manual.

1. Hook

This key is used to dial telephone or fax numbers without lifting the handset.

For automatic transmission, neither the HOOK button nor the handset are necessary for transmission.

2. Hold

This key is used to put an incoming call on hold.
(Pressing this key a second time will cancel the hold status.)

3. Redial/Pause

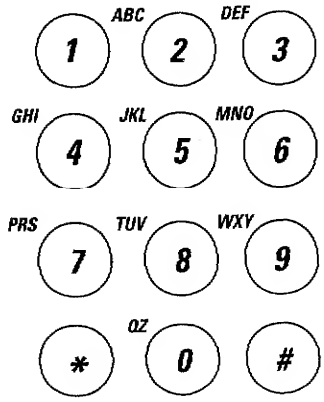
This key has two functions. When numbers are being stored in the auto dialing memories, PAUSE inserts a short delay into the number at the point where the PAUSE key is pressed. For more information on PAUSE see page 7–2.

If an outgoing call fails to be connected for any reason, pressing REDIAL allows the number to be re-dialed. Automatic re-dialing is also available on the IntelliFAX600/650M. See pages 5–4 for more information.

4. Speed-Dial Key

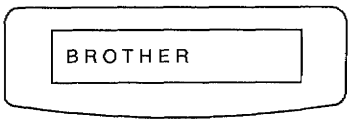
The SPEED-DIAL key is pressed before entering a two-digit speed-dial (abbreviated code) number for dialing. Pressing this key tells the IntelliFAX600/650M to expect an abbreviated code instead of a full-length, manually-dialed number. For more information on storing and using speed-dial numbers, see page 7–5 and 8–1.

5. Numeric Keypad



The 12 key numeric keypad on the left of the control panel is used for manual dialing and speed-dialing. It is also used for entering numbers and text when setting up the IntelliFAX600/650M. For more information on using the numeric keypad see pages 4–5.

6. Liquid Crystal Display Screen



The 16-character, alphanumeric liquid crystal display (LCD) is used to display helpful messages to facilitate operation of the IntelliFAX600/650M.

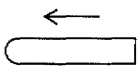
Also, displays Date and Time in idle mode.

7-10 One-Touch Dial Keys

Each of the five, labelled one-touch dial keys can have a frequently used fax or telephone number assigned to it. These numbers can then be dialed simply by pressing the correct one-touch key. For more information on storing and using one-touch numbers, see page 7–2 and 8–1.

Four of the five one-touch dial keys also have a secondary function. See following.

7. Left Cursor

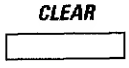


Pressing the left cursor key scrolls the function back to the previous item, or moves the cursor one place to the left on the display when data is being entered.

8. Set

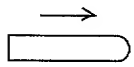
This key is used to confirm selection of an option in the function, or to confirm that data entry is complete.

9. Clear



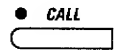
This key is used to go back one step in a function procedure, or to clear data from the display. The character above the cursor and everything to the right of the cursor will be cleared.

10. Right Cursor



Pressing the right cursor key scrolls the function down to the next item, or moves the cursor one place to the right on the display when data is being entered.

11. Call Reservation

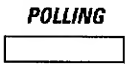


This key is used to enable the call reservation feature.

12. Timer

The TIMER function is used when you wish to perform delay sending of a fax, or polling, until a later time. For more information on timer operation see page 12-1.

13. Polling



Polling allows you to call up another fax machine and have it send you a fax that has been left in its document feeder, or allows you to leave a document in your IntelliFAX600/650M for another machine to poll. For more information on polling see page 11-1.

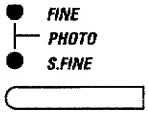
14. Interrupt

If you wish to send an urgent fax after the timer has been set, pressing the INTERRUPT key will temporarily interrupt the timed job.

15. Function

Pressing the FUNCTION key puts the IntelliFAX600/650M into "function mode", which is used for less frequently used operations such as configuring the machine and storing dial numbers. For more information on using the functions see page 4–1.

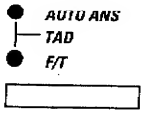
16. Resolution



This key sets the resolution at which a fax is transmitted. For more information see page 8–5.

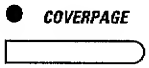
When both lights are lit, then unit is in photo mode. When no lights are lit, then unit is in standard mode.

17. Answer Mode



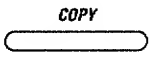
This key is used to set manual, automatic, fax/telephone, or answering machine (TAD) mode. When both lights are lit, then unit is in TAD mode. When no lights are lit, then unit is in manual reception mode. For more information see page 9–1.

18. Coverpage



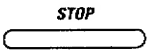
When this key is pressed before dialing or selecting coverpage "on" (see page 5.SETTING THE USER OPTIONS) the IntelliFAX600/650M will automatically generate a coverpage which will be sent as the first page of the fax.

19. Copy



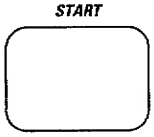
This key is pressed when you wish to make a copy of the document in the document feeder, rather than sending it as a fax.

20. Stop



This key can be used to terminate or cancel most operations of the IntelliFAX600/650M.

21. Start

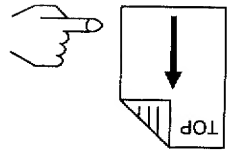


This key initiates dialing and transmission of a fax, and is also used for some other operations such as printing reports.

Making A Copy

The IntelliFAX600/650M can be used as a convenience copier. Once you have unpacked and set up the machine, it's a good idea to make a trial copy to check that the machine is working, before attempting to send and receive faxes.

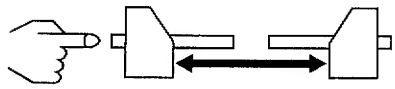
After the IntelliFAX600/650M has been connected to the power outlet and has warmed up, the date/time display will appear when there is no document in the feeder.



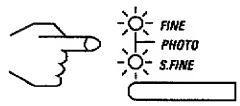
To make a copy, place the document you wish to copy, face-down, in the document feeder, and feed it in gently until you feel some resistance. You can copy any document up to 8.5 inches/216 mm wide (A4 size).

```
COPY: PRESS COPY
      ALTERNATE
FAX : NO. & START
```

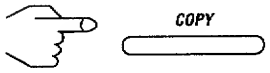
When the IntelliFAX600/650M detects the document, the display will change from the date and time.



To prevent the document from skewing as it is fed, adjust the paper guides to fit the width of the document.



The default setting for making copies is SUPER FINE. If you are copying a photograph, press the RESOLUTION key until both lamps are lit. If you are making several copies, some with photographs, set the resolution page by page in 1.TEMP. SETTINGS. (see page 8–9.)



Press the COPY key.

```
COPYING
```

The display will indicate that the machine is copying, and the document will be fed through the machine.

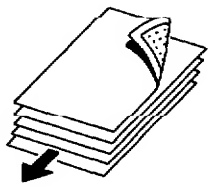
Note:

- When the copy has been printed, the automatic paper cutter will cut the page from the paper roll.
- The machine cannot read text or images closer than 1/8″ from any edge of the document.
- Do not pull on the paper while copying is in progress. This may ruin the copied image.

Suitable Types of Document

The automatic document feeder (ADF) of the IntelliFAX600/650M will handle a wide variety of paper size and thickness for copying and fax transmission, but to avoid document jams and possible damage to the machine, the following points should be noted.

- ***The range of optimum thicknesses for sheets used in the ADF is 2.8×10^{-3}–3.9×10^{-3} inches (0.07 – 0.10 mm) and the range for weight is 0.07×10^{-3}–0.114×10^{-3} lbs/inch^2 (52–80g/m^2). If you are using only one sheet of paper, the thickness of the paper should be between 3.9×10^{-3}–4.7×10^{-3} inches (0.07 – 0.12 mm) and the weight, between 0.114×10^{-3}–0.121×10^{3} lbs/inch^2 (80 – 85g/m^2).***
- ***Feed documents of more than 10 pages manually, one sheet at a time.***
- ***Before inserting the document into the ADF, make sure the pages are not stuck together, to avoid double feeding. If the document you are about to transmit or copy is more than one page, fan the sheets of paper and insert them face down, so that the first page is at the bottom and will be fed first.***



- ***The document should not be narrower than the smallest setting of the paper guides, nor wider than the widest setting (5.8 inches to 8.5 inches).***
- ***The document should be between 3.9 inches to 35.4 inches.***
- ***The paper should be between 0.002 inches and 0.003 inches thick.***
- ***The paper should not be curled, wrinkled or creased.***
- ***The paper should not be damp.***
- ***The paper should not have any protrusions such as paper clips, staples, or pasted-on additions. These may damage the scanner or ADF mechanism.***
- ***If the document is unsuitable for feeding through the ADF, make a photocopy and use that.***

IntelliFAX600/650M		
MAIN FUNCTION ITEM	SUB-FUNCTION ITEM	DEFAULT SETTING
1.TEMP. SETTINGS	1.CONTRAST	AUTO
	2.RESOLUTION	STANDARD
	3.OVERSEAS MODE	OFF
2.CANCEL JOB	N/A	N/A
3.PRINT REPORTS	1.ACT. REPORT	N/A
	2.ALL DIAL	N/A
	3.COVERPAGE	N/A
	4.CALL BACK MSG	N/A
	5.USER OPTIONS	N/A
	6.XMIT REPORT	OFF
4.SET AUTO DIAL	1.ONE-TOUCH DIAL	N/A
	2.SPEED-DIAL	N/A
5.USER OPTIONS	1.TONE/PULSE	TONE
	2.RING DELAY	4 RINGS
	3.AUTO REDIAL	ON
	4.SPEAKER VOLUME	LOW
	5.F/T RING TIME	30 SECONDS
	6.SMOOTHING	ON
	7.BEEPER	ON
	8.COVERPAGE	OFF
	9.RING VOLUME	HIGH
6.SETUP SYSTEM	1.DATE/TIME	N/A
	2.DAILY TIMER	00:00
	3.INTERVAL	OFF
	4.STATION ID	N/A
	5.REMOTE CODE	OFF
	6.SET COVER PAGE (Only for IntelliFAX650M)	N/A
Notes N/A = Not applicable		

4. USING THE FUNCTIONS

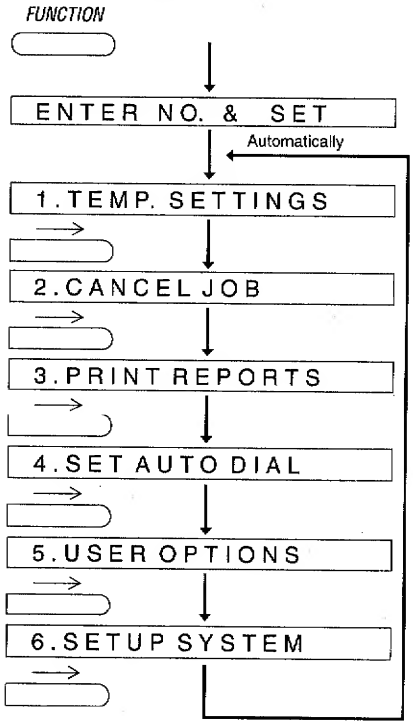
The IntelliFAX600/650M has a number of user-configurable settings, which you may change in order to obtain the best performance from the machine.

Some of these options have been set at the factory, and you may not need to change them. Where an option has been set at the factory, the setting is given in the table opposite. Other items such as the date, time and station identification of your IntelliFAX600/650M, will need to be changed when you first set up the machine.

Before you can configure the machine, you will first need to understand the functions, and how to use them.

The most frequently used functions on the IntelliFAX600/650M have special keys assigned to them, such as the START, STOP and COPY keys. Other functions, including storing one-touch dial and speed-dial numbers and configuring the IntelliFAX600/650M to suit your requirements, are used less frequently. In fact many of these items will only need to be changed when the machine is first set up. These functions are accessed by pressing the FUNCTION key, after which a sequence of helpful prompt messages on the display will guide you through the available options.

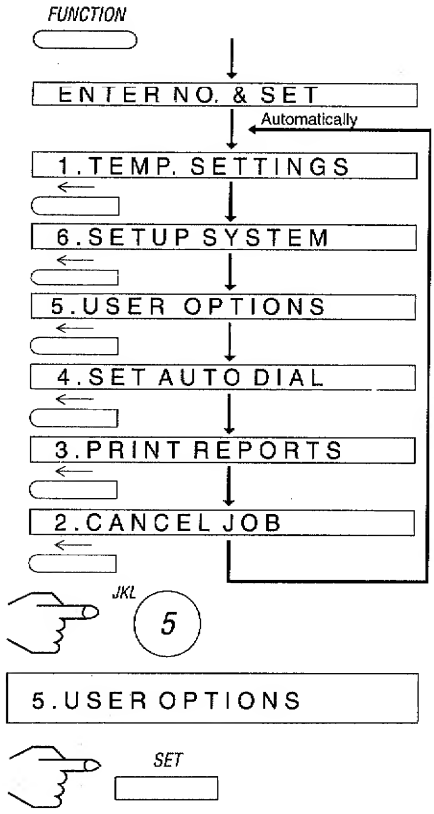
Viewing And Choosing Function Options



The functions on the IntelliFAX600/650M are accessed by pressing the FUNCTION key. There are 6 main function items, each of which has several sub-function items associated with it. The main function and associated sub-function items are shown in the table opposite.

When the FUNCTION key is pressed, A message will appear briefly on the display instructing you on the use of the cursor keys. The display will then automatically scroll through the selections available in the primary function item one at a time. You can also use the cursor keys (< >) to scroll through the function selections.

Pressing right cursor repeatedly will quickly scroll forward through the main function items in the order 2,3,4,5,6,1...

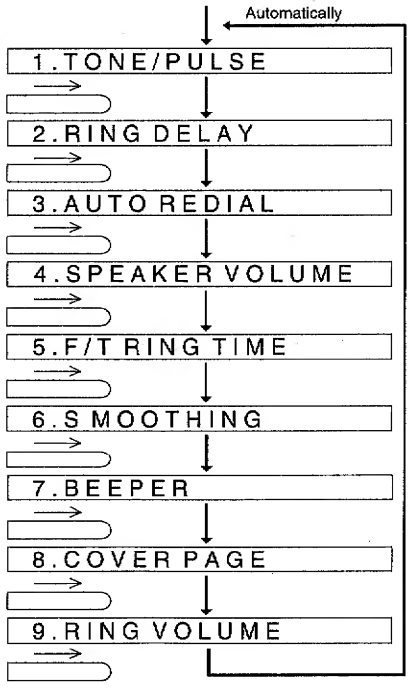


Pressing left cursor repeatedly will quickly scroll through the main function items in a reverse direction 6,5,4,3,2,1...

A function item can be selected in one of two ways.

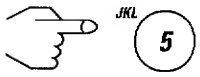
a) Press the key on the numeric dial-pad whose number corresponds to the number of the function item, even if the item is not currently displayed, then press the SET key.

For example, to select USER OPTIONS from the function, press the 5 key on the dial pad and the SET key.



The display will begin to scroll through the sub-functions that are available for USER OPTIONS.

b) Press the key on the numeric dial-pad whose number corresponds to the number of the function item, even if the item is not currently displayed, and wait for two seconds.



For example, to select function item 5. USER OPTIONS, press the 5 key on the dial pad.

```
5. USER OPTIONS
```

2 SECOND DELAY

Once a function item has been selected, it will appear in the display for two seconds, then the display will begin to scroll through the sub-functions that are available for that function.

You can use the dial pad and the SET key to view and select sub-function items in the same way as selecting main function items.

Using The Stop Key

If at any time you get hopelessly lost in the functions, you can escape by pressing the STOP key, which will return you to the date/time display. If you make a wrong choice and simply want to back up to the previous step, you can press the CLEAR key.

Entering Data And Changing Settings

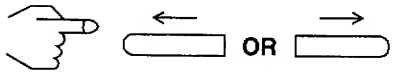
Function items have different options associated with them. In some cases you may have to make a choice from a number of preset options. In other cases you may have to enter data such as names and fax or telephone numbers.

Choice Of Options

Some settings can be selected from a fixed number of options. For example, the speaker volume can be set to LOW or HIGH.

```
SPEAKER:HIGH
   ↓ ALTERNATE ↑
SELECT < > & SET
```

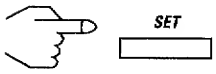
When presented with this type of choice, the display will alternate between the item to be selected and a help message prompting you to make a selection using the left and right cursor keys and the SET key.



Use the left and right cursor keys to view and change the available options.

```
SPEAKER:LOW
```

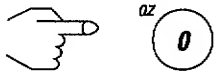
As soon as you press one of the cursor keys, the display will stop alternating, so that the prompt message is no longer displayed.



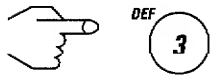
When the required choice is in the display, press the SET key to confirm your choice.

Entering Fixed Length Numbers

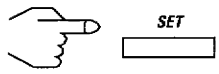
```
ENTER MONTH:XX
```




```
ENTER MONTH:0X
```




```
ENTER MONTH:03
```




```
ENTER DAY:XX
```

Some function items require you to enter numbers using the numeric keypad. Some of these numbers may be of fixed length, such as the date and time for the clock.

The IntelliFAX600/650M knows that the month data is always two digits. After you enter the second digit of the month, press the SET key. However, if the data in the display is correct and you do not wish to change it, you can skip to the next step by only pressing the SET key.

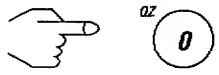
Entering Variable Length Numbers

```
* 5 :
```

```
ENTER & SET
```

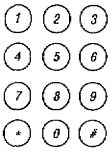
Some function items, such as storing one-touch dial numbers, require you to enter numbers whose length is not fixed, such as fax and telephone numbers.

In such cases you will be prompted with an alternating display message to enter the number then press SET. Pressing SET tells the IntelliFAX600/650M that you have finished.



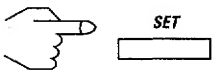
As soon as you press the first digit of the number, the display will stop alternating and only the number entry line will be displayed, with the digit that you have just entered.

```
* 5 : 0 _
```



Use the numeric keypad to enter the rest of the number.

```
* 5 : 0 6 1 3 3 0 6 5 3 1 _
```



When you have entered the number and checked that it is correct, press the SET key to confirm the entry.

Using The Numeric Keypad To Enter Text

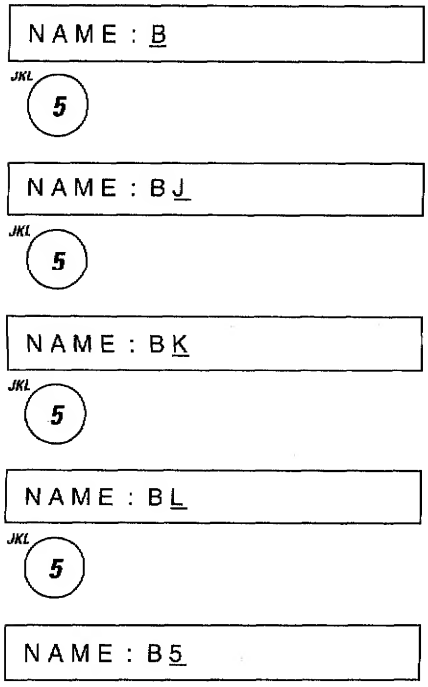
The 12-key dial pad is used for dialing fax and telephone numbers. It is also used to enter numbers, symbols, text and punctuation marks when in the function mode.

Each key on the dial pad has a number printed on it. When the IntelliFAX600/650M is expecting a numeric input (for example a fax number) only numbers can be input using the dial pad.

Each dial key also has two or three letters printed by the side of it, apart from the 1 key and the * and # keys, which are used for special characters.

The characters assigned to each key are as follows:-

"1" key ÄËÖÜÆØÅÑ1
"2" key ABC2
"3" key DEF3
"4" key GHI4
"5" key JKL5
"6" key MNO6
"7" key PRS7
"8" key TUV8
"9" key WXY9
"0" key QZ0
"*" key . . . . . .(SPACE)!"#$%&'()*+,-./
"#" key . . . . .:;<=>?@[ ]^_



When the IntelliFAX600/650M is expecting text input (for example a name), the first thing that appears in the display when you press one of the number keys is the relevant number. Press the key again. and the first letter associated with that key appears.

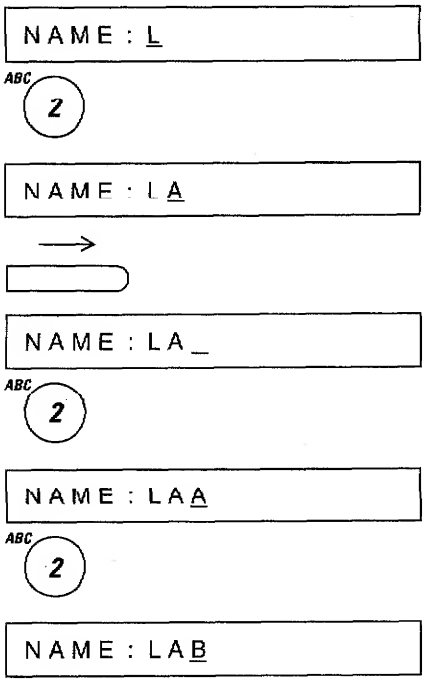
Thus, if you press the 5 key repeatedly, the character currently above the display cursor will change, as shown opposite:-

J-K-L-5-J-.

Remember, this only applies when the IntelliFAX600/650M is expecting a text input, such as a name. When it is expecting a numeric input, such as a telephone number, pressing the number key repeatedly will simply produce the same number repeated on the display.

By pressing the appropriate number key the correct number of times, you can get the character you wish to enter to appear above the cursor. You can then press another number key to move onto the next character.

Entering Repeated Characters



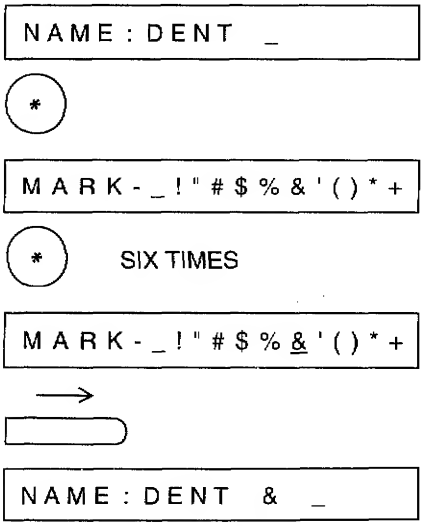
The IntelliFAX600/650M does not know that you wish to go onto the next character until you press a different number key.

Should you wish to enter the same character twice in succession, or another character on the same number key, you must move the cursor one place to the right by pressing the right cursor key. The example opposite shows how to enter the letter A followed by the letter B.

The initial condition of each character, before a number key is pressed, is a blank, so if you wish to enter a space for a particular character, press the right cursor key twice.

Special Characters, Symbols And Punctuation Marks

All commonly used accented characters are assigned to the 1 key. Symbols and punctuation marks are assigned to the * and # keys.



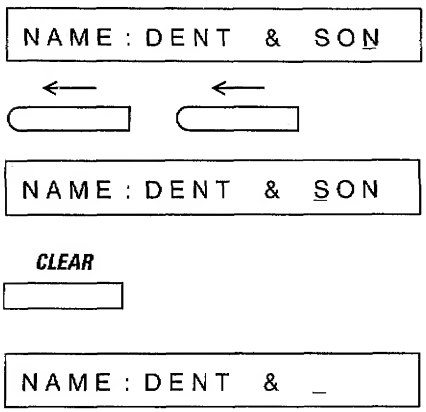
A total of 36 characters is available on these keys. To make it easier, when you press the 1, * or #, the display will change to show a list of the characters available on that key.

The cursor appears below the currently selected character.

Press the * key repeatedly, until the cursor is below the required character, then press the right cursor key.

The example opposite shows how to use the * key to enter the ampersand (&) symbol.

Correcting Mistakes



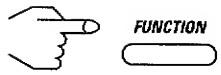
If you enter an incorrect character, you can use the left cursor key to move the cursor back to the incorrect character, then enter a new character using the correct number key. If you want to replace a character with a space, press the "*" key once.

Note that you cannot insert additional characters into existing text or numbers, you can only overwrite them with new characters, so if you leave out a character you must move the cursor back to the character after the last correct character and press the CLEAR key. This will erase the character above the cursor and everything to the right of the cursor. You may then re-enter the text.

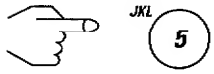
5. SETTING THE USER OPTIONS

After reading the previous section on using the IntelliFAX600/650M functions, you are now ready to proceed with configuring the machine. As mentioned in the previous section, the configuration is carried out under two function items, USER OPTIONS and SETUP SYSTEM.

To access the USER OPTIONS function:-



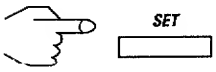
Press the FUNCTION key.



Press the 5 key.

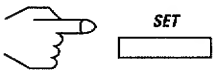
5. USER OPTIONS

The USER OPTIONS function will appear in the display.



Press the SET key. The display will begin to scroll through the sub-function items that are available for USER OPTIONS.

1. TONE/PULSE



At this point you can select the TONE/PULSE option by pressing the 1 key and the SET key, or pressing the 1 key and waiting two seconds. In the following sections, for simplicity, only the number key plus SET key method of selecting a function item is used, but don't forget that you can use both methods.

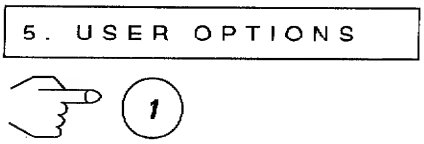
OR

2 SECOND DELAY

If you wish to change more than one user option, you can do this without exiting from the user options function. When you have finished setting one option, just select the next option using number key. When you have finished setting all the options you wish to change, press the STOP key.

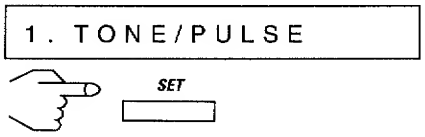
1.Tone/Pulse

The IntelliFAX600/650M supports pulse (ROTARY) and tone (MULTI-FREQUENCY) dialing, and you must select the type of dialing suitable for your telephone line.

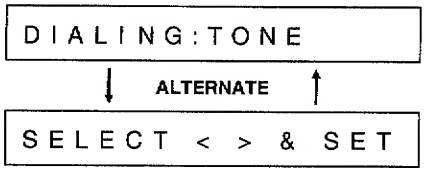


To set tone or pulse dialing:

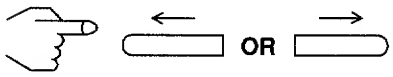
After selecting the USER OPTIONS, press the 1 key.



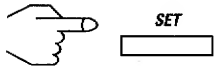
1.TONE/PULSE will appear in the display, then press the SET key.



An alternating display will prompt you to select TONE or PULSE using the cursor keys, then press the SET key.

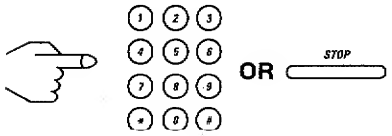


If you wish to change the currently displayed setting, press one of the cursor keys, otherwise press the SET key to exit.



Press the SET key.

The display will revert to 1.TONE/PULSE.

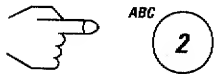
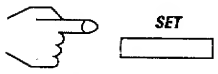
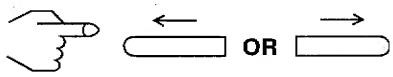
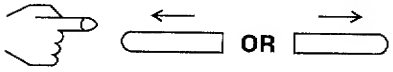
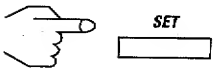
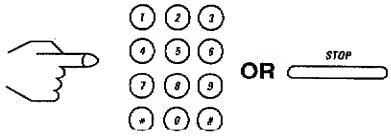


If you want to set another user option, press a number key, otherwise press the STOP key to exit.

2.Ring Delay

This option sets the number of rings before the IntelliFAX600/650M will answer an incoming call when set to AUTO ANS or F/T mode.

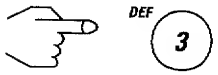
*If you do not wish to be disturbed by incoming fax calls, it is a good idea to set this to "**0**" (zero) so that no Ring Tones will be heard.*

5. USER OPTIONS	To set the ring delay:
	After selecting the USER OPTIONS, press the 2 key.
2. RING DELAY	2.RING DELAY will appear in the display, then press the SET key.
	
RING DELAY:04 ALTERNATE SELECT < > & SET	An alternating display will prompt you to select the ring delay using the cursor keys, then press the SET key.
	If you wish to change the current setting, press one of the cursor keys, otherwise press the SET key to exit.
RING DELAY:02	As soon as you press a cursor key, the display will stop alternating and only the selection line will be displayed.
	Use the cursor keys to select 0, 1, 2, 3 or 4 rings.
	Press the SET key.
2. RING DELAY	The display will revert to the 2.RING DELAY display.
	If you want to set another user option, press a number key, otherwise press the STOP key to exit.

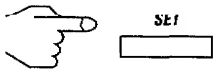
3.Auto Redial

In the event of an outgoing call failing to make connection due to the called number being engaged or for some other reason, selecting auto redial ON allows the IntelliFAX600/650M to redial the last used number up to 3 times at 5-minute intervals.

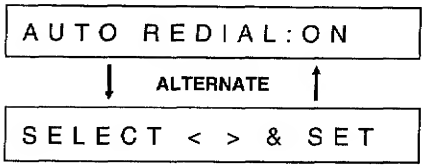
To set auto redial:



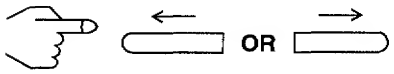
After selecting the USER OPTIONS, press the 3 key.



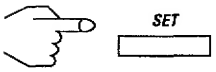
3. AUTO REDIAL will appear in the display, then press the SET key.



An alternating display will prompt you to change the auto redial setting between OFF and ON using the cursor keys, then press the SET key.

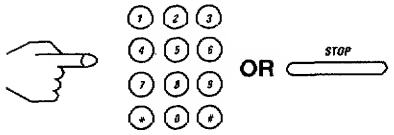


If you wish to change the current setting, press one of the cursor keys, otherwise press the SET key to exit.



Press the SET key.

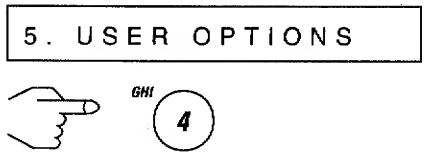
The display will revert to 3.AUTO REDIAL.



If you want to go on to set another user option, press a number key, otherwise press the STOP key to exit.

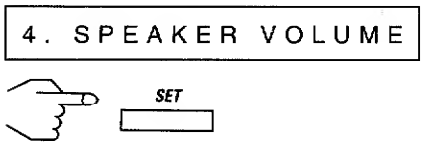
4.Speaker Volume

The monitor speaker allows the progress of incoming and outgoing calls to be monitored. Two selections are available, low and high.

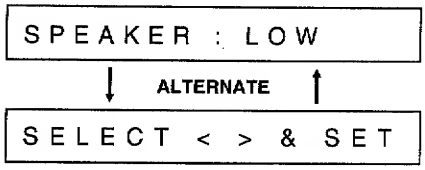


To set the speaker volume:

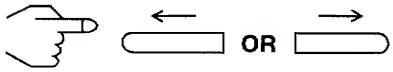
After selecting the USER OPTIONS, press the 4 key.



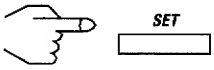
4. SPEAKER VOLUME will appear in the display, then press the SET key.



An alternating display will prompt you to change the speaker volume setting between HIGH and LOW using the cursor keys, then press the SET key.

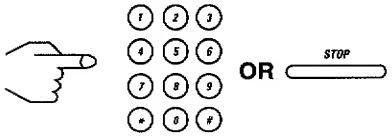


If you wish to change the current setting, press one of the cursor keys, otherwise press the SET key to exit.



Press the SET key.

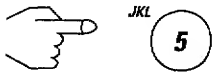
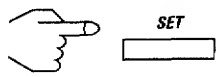
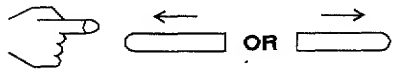
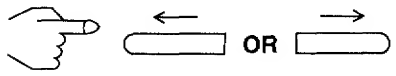
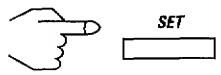
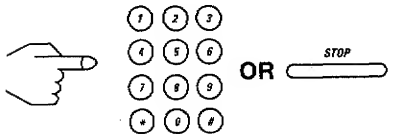
The display will revert to 4.SPEAKER VOLUME.



If you want to set another user option, press a number key, otherwise press the STOP key to exit.

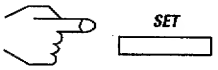
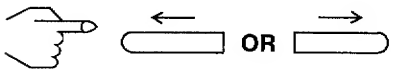
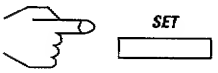
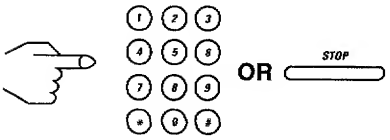
5.F/T Ring Time

In F/T answer mode, when the IntelliFAX600/650M answers an incoming call and detects that it is not a fax being sent, it will output a simulated ringing tone from the speaker to alert the user that there is an incoming telephone call or manually transmitted fax. The F/T RING TIME option sets the time for which this ringing occurs, before the IntelliFAX600/650M reverts to fax receiving mode. The F/T switch monitors for fax tone (CNG) during F/T ring time. All automatic transmissions must generate CNG tone to meet CCITT specifications. More detailed information about the F/T switch and reception of faxes is given on page 9–1.

5. USER OPTIONS	To set the F/T ring time:
	After selecting the USER OPTIONS, press the 5 key.
5. F/T RING TIME	5. F/T RING TIME will appear in the display, then press the SET key.
	
RING TIME:30 SEC ↓ ALTERNATE ↑ SELECT < > & SET	An alternating display will prompt you to change the F/T ring time setting using the cursor keys, then press the SET key.
	If you wish to change the current setting, press one of the cursor keys, otherwise press the SET key to exit.
RING TIME:10 SEC	As soon as you press a cursor key, the display will stop alternating and only the selection line will be displayed.
	Use the cursor keys to select 10, 20, 30 or 60 seconds.
	Press the SET key.
5. F/T RING TIME	The display will revert to 5.F/T RING TIME.
	If you want to set another user option, press a number key, otherwise press the STOP key to exit.

6.Smoothing

This is a unique Brother feature that enhances the appearance of any received fax by smoothing out "jagged edges" on lines and text. More detailed information about smoothing is given on page 9–7.

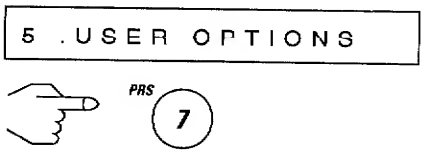
5. USER OPTIONS	To switch smoothing on or off:
	After selecting the USER OPTIONS, press the 6 key.
6. SMOOTHING	6.SMOOTHING will appear in the display, then press the SET key.
	
SMOOTHING:ON ↓ ALTERNATE ↑ SELECT < > & SET	An alternating display will prompt you to change the smoothing setting between OFF and ON using the cursor keys, then press the SET key.
	If you wish to change the current setting, press one of the cursor keys, otherwise press the SET key to exit.
	Press the SET key.
6. SMOOTHING	The display will revert to 6.SMOOTHING.
	If you want to set another user option, press a number key, otherwise press the STOP key to exit.

Note:

- Smoothing is done by the receiver and adds no additional communications time. It is usually set to "on".

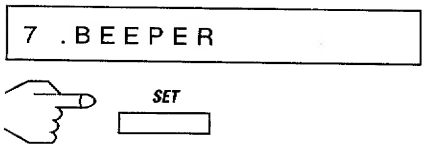
7.Beeper

When the beeper is switched on it will sound each time a key is pressed. The beeper also sounds when an error occurs or you receive a message.

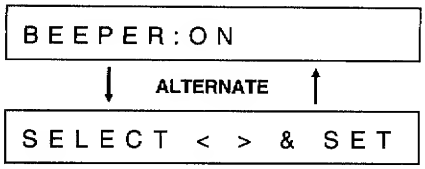


To switch the beeper on or off:

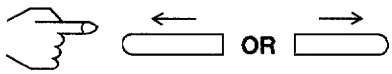
After selecting the USER OPTIONS, press the 7 key.



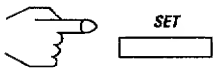
7.BEEPER will appear in the display, then press the SET key.



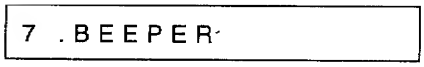
An alternating display will prompt you to change the beeper setting between OFF and ON using the cursor keys, then press the SET key.



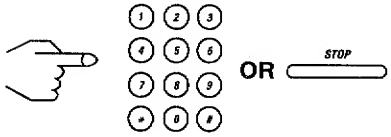
If you wish to change the current setting, press one of the cursor keys, otherwise press the SET key to exit.



Press the SET key.



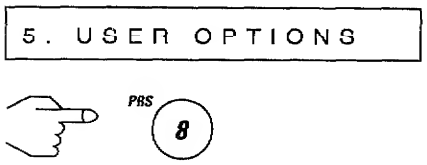
The display will revert to 7.BEEPER.



If you wish to set another user option, press a number key, otherwise, press the STOP key to exit.

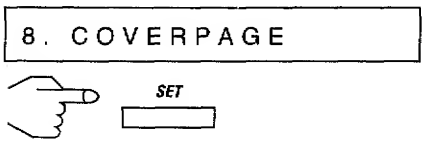
8.Coverpage On/Off

If you frequently send a fax with a coverpage, it is convenient to set coverpage to ON to avoid having to set the coverpage each time.

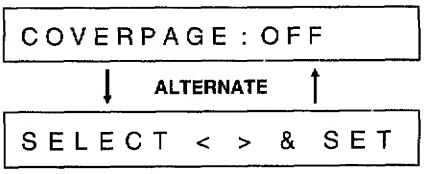


To switch the coverpage on or off:

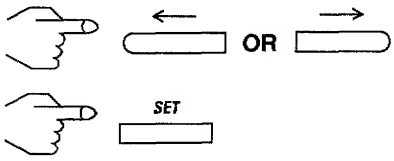
After selecting the USER OPTIONS, press the 8 key.



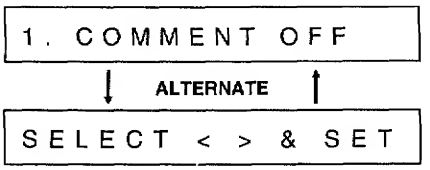
8.COVERPAGE will appear in the display, then press the SET key.



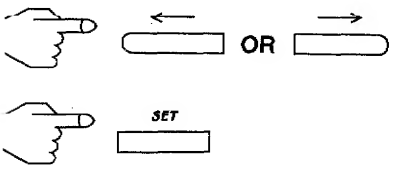
An alternating display will prompt you to change the coverpage setting between OFF and ON using the cursor keys, then press the SET key.



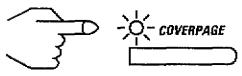
If you wish to change the current setting, press one of the cursor keys, otherwise press the SET key.



If you set to ON, you will be prompted to select comment by using the cursor keys.



Select a comment you wish to send, then press the SET key.



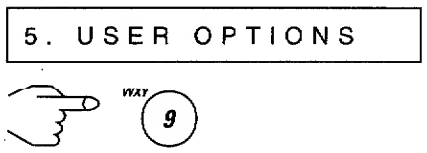
The COVERPAGE lamp will be lit, and the display will revert to 8.COVERPAGE.

If you wish to set another user option, press a number key, otherwise, press the STOP key to exit.

Note:
- If you set the coverpage to on, total number of pages will not be printed on the coverpage.
  Also please note that the comment that you select will be sent on all coverpage transmissions.
- If you wish to not send a coverpage for a specific transmission, then just press the COVERPAGE button.

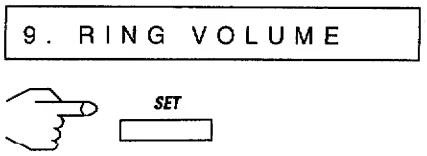
9.Ring Volume

You can control ring volume high or low.

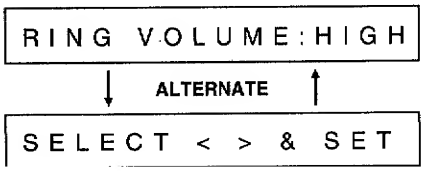


To set the ring volume:

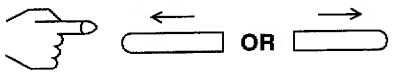
After selecting the USER OPTIONS, press the 9 key.



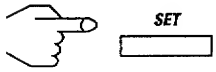
9.RING VOLUME will appear in the display, then press the SET key.



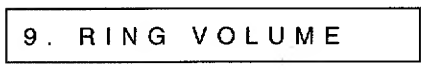
An alternating display will prompt you to change the ring volume setting between HIGH and LOW using the cursor keys, then press the SET key.



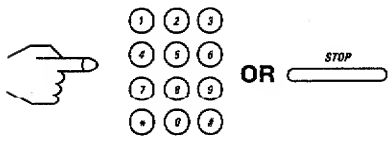
If you wish to change the current setting, press one of the cursor keys, otherwise just press the SET key to exit.



Press the SET key.



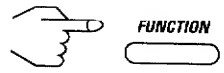
The display will revert to 9.RING VOLUME.



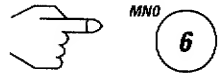
If you want to set another user option, press a number key, otherwise press the STOP key to exit.

6. SYSTEM SETUP

To access the SETUP SYSTEM function:



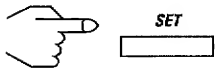
Press the FUNCTION key.



Press the 6 key.

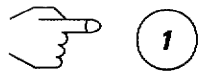
6.SETUP SYSTEM

The SETUP SYSTEM function will appear in the display.



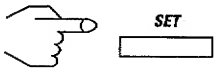
Press the SET key.

The display will begin to scroll through the sub-function items that are available for SETUP SYSTEM.



You can select DATE/TIME by pressing the 1 key plus the SET key, or you can select a different function item by pressing another number on the keypad plus the SET key.

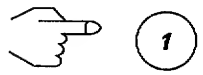
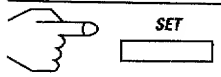
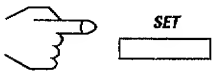
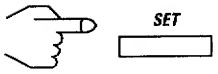
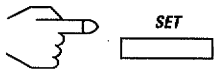
1.DATE/TIME

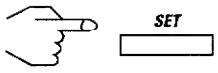


If you wish to change more than one SETUP SYSTEM function item, you can do this without exiting from the function. When you have finished setting one item, just select the next function item using number key or cursor keys.

When you have finished setting all the items you wish to change, press the STOP key.

1.Date/Time

6.SETUP SYSTEM	The IntelliFAX600/650M has a built-in clock, which displays the date and time. This clock is used to place date and time on incoming and outgoing faxes. To set the date and time:
	After selecting the SETUP SYSTEM, press the 1 key and the SET key.
1.DATE/TIME	
	
ENTER YEAR:XX ENTER YEAR:9X ENTER YEAR:92	Use the numeric keypad to enter the last two digits of the year.
	Press the SET key.
ENTER MONTH:XX ENTER MONTH:0X ENTER MONTH:03	Enter two digits for the month.
	Press the SET key.
ENTER DAY:XX ENTER DAY:1X ENTER DAY:14	Enter two digits for the day of the month.
	Press the SET key.
ENTER TIME:XX:XX ENTER TIME:1X:XX ENTER TIME:12:XX ENTER TIME:12:4X ENTER TIME:12:43	Enter the time in 24 hour format.



After entering the fourth digit of the time, press the SET key. The display will revert to 1.DATE/TIME.

1.DATE/TIME

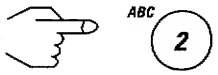
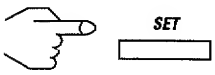
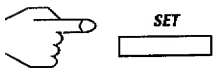
If you want to change another system setting, press a number key, otherwise press the STOP key to exit.

Note:

- In the event of power failure, the clock will continue to operate from a re-chargeable internal battery for about 1 hour. After this the date and time will be lost and must be re-entered.
- All other settings in the USER OPTIONS and SETUP SYSTEM functions are stored in non-volatile memory, and will be retained indefinitely in the event of power failure.

2.Daily Timer

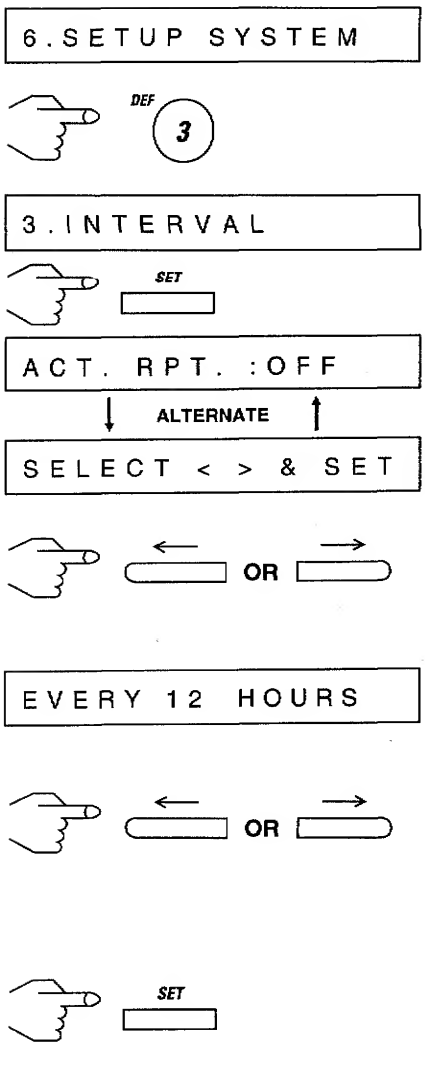
The DAILY TIMER is the time which is displayed whenever you select the timer function for a delayed job. If you frequently do delayed jobs at the same time, it is convenient to set the daily timer to that time to avoid having to set the timer manually each time you do a delayed sending or polling job.

6.SETUP SYSTEM	To set the daily timer:
	*After selecting the SETUP SYSTEM, press the 2 key.*
2.DAILY TIMER	2.DAILY TIMER will appear in the display, then press the SET key.
	
ENTER TIME:00:00 ENTER TIME:10:00 ENTER TIME:19:00 ENTER TIME:19:40 ENTER TIME:19:45	You will be prompted to enter the time. Use the numeric keypad to enter the time in 24 hour format.
	Press the SET key.
2.DAILY TIMER	After entering the fourth digit, press the SET key. The display will revert to 2.DAILY TIMER.

If you want to change another system setting, press a number key, otherwise press the STOP key to exit.

3.Activity Report Interval

The activity report is a list of all incoming and outgoing faxes that have been sent or received over a certain interval. You can set the interval at which the activity report is printed to OFF (activity report not printed), 6, 12, 24 hours, 2 days, 4 days or 7 days and the start time at which the activity report is first printed. For example, to print the activity report once a day at 15:00, you would set the activity report interval to 24 hours and the start time to 15:00. The activity report lists the last 30 most recent activities, that is, transmissions that the machine has sent or received.



To set the activity report interval and start time:-

After selecting the SETUP SYSTEM, press the 3 key.

3.INTERVAL will be displayed, then press the SET key.

An alternating display will prompt you to select the interval at which the activity report is to be printed using cursor keys, then press the SET key.

If you wish to change the activity report interval, press a cursor key, otherwise press the SET key to continue.

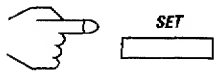
As soon as you press a cursor key, the display will stop alternating, and only the selection line will be displayed.

Use the cursor keys to select OFF, or to select the interval at which the activity report is to be printed. If you select 7 days, you will be asked on which day of the week the activity report is to be printed. Use the cursor keys to select.

Press the SET key.

START AT:00:00
START AT:10:00
START AT:19:00
START AT:19:40
START AT:19:45

Enter the start time for the activity report print in 24 hour format.



After entering the fourth digit, press the SET key. The display will revert to the 3.INTERVAL display.

3.INTERVAL

If you want to change another system setting, press a number key, otherwise press the STOP key to exit.

Note:
- You can also print the activity report on demand. See page 13–1.
- The default setting for interval is "OFF".

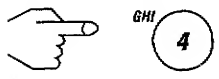
4.Station ID

The STATION ID is printed on the coverpage, and at the top of each page of every fax you send. It also identifies your fax machine to other callers who wish to send faxes to you. Station ID is an important feature, since it verifies that each page of a fax has come from your fax machine, and lets callers know that they are sending to the correct destination.

You can enter your name or company name, fax number and telephone number in the station ID.

6.SETUP SYSTEM

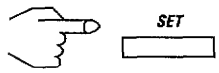
To set the station ID on your IntelliFAX600/650M:



After selecting the SETUP SYSTEM function option, press the 4 key.

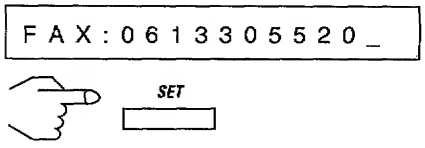
4.STATION ID

4.STATION ID will appear in the display, then press the SET key.



FAX:
↓ ALTERNATE ↑
ENTER & SET

You will be prompted to enter your fax number and press the SET key.



Using the numeric keypad, enter your fax number (which can have up to 20 digits).

Press the SET key to confirm the entry.

You will now be prompted to enter your telephone number.

If you have a telephone on a different line, enter your telephone number. If your IntelliFAX600/650M and telephone share the same line, enter the same number again up to 20 digits.

Press the SET key to confirm the entry.

You will be prompted to enter your name.

Enter your name or the name of your company (up to 20 characters) in the way described in the section of **Using The Numeric Keypad To Enter Text (page 4–5)**.

Press the SET key to confirm the entry.

The display will revert to 4.STATION ID. If you want to change another system setting press a number key, otherwise press the STOP key to exit.

Note:

- The telephone number is only used for the Call Back Messages and super COVERPAGE features.
- If you do not enter a fax number, no other information can be entered.
- You cannot enter a "–" using the PAUSE key when registering your fax and telephone number. Use the (← / →) cursor keys instead to enter a space. It will be printed as " ", but will not be displayed.

5.Remote Code

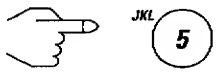
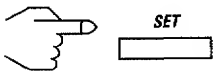
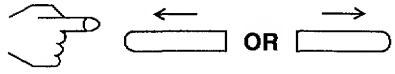
Faxes can be received through the use of an external telephone or an extension telephone.

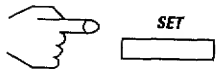
You can activate the fax machine from a remote telephone. This is useful if you are using the machine on an extension of a key telephone system.

Remote activation allows you to receive a call on a telephone which is either connected from the fax unit, or is parallel connected to your line (extension telephone), but is not located near the fax unit. If an in-coming call is a fax transmission, simply enter the remote code on the external/ extension telephone (tone-type) to enable reception of the fax.

Note:
- If you accidentally pick up your extension or external telephone by mistake when you are transmitting at receiving a fax, there might be some slight distortion on the document.
- If you wish to pick up a telephone call remotely from an extension telephone during F/T ringing, you can use the remote deactivation code.

Registering Remote Code

6.SETUP SYSTEM	Use the following procedure to register a remote code.
	After selecting the SETUP SYSTEM function, press the 5 key.
5.REMOTE CODE	5.REMOTE CODE will appear in the display, then press the SET key.
	
REMOTE ACT. : OFF ↓ ALTERNATE ↑ SELECT < > & SET	An alternating display will prompt you to select remote activation ON or OFF using the cursor keys, then press the SET key.
	If you wish to change the current setting, press one of the cursor keys, otherwise press the SET key to exit.



Press the SET key.

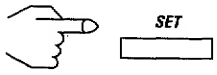
ACT. CODE:*51

If you set to ON, you will be prompted to enter a new remote code.

The default setting is *51. If you do not wish to change the default setting, press the SET key.

ACT. CODE:*36

Using numeric keypad, enter a three-digit code, then press the SET key.



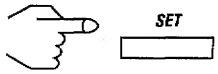
DEACT. CODE:#51

You will be prompted to enter a new deactivation code, which deactivates the fax unit and allows you to answer a call on a telephone which is parallel connected.

The default setting is #51. If you do not wish to change the defaut setting, press the SET key.

DEACT. CODE:#31

Using numeric keypad, enter a three-digit code, then press the SET key.



5.REMOTE CODE

The screen will revert to 5. REMOTE CODE

Note:

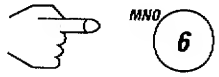
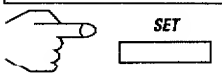
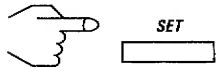
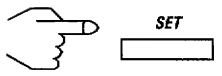
- Due to limitations of telephone systems and telephone sets, remote deactivation can not be guranteed to work under all circumstances.

6.Coverpage Comment (Only for IntelliFAX650M)

The IntelliFAX650M can send an electronically generated coverpage with any fax that is transmitted. Any one of three preset and two user-definable comments can be added to this coverpage.

The coverpage comments are identified by numbers, as follows:

1. (COMMENT OFF)
2. PLEASE CALL
3. URGENT
4. CONFIDENTIAL
5. (USER DEFINED)
6. (USER DEFINED)

6.SETUP SYSTEM	To store your own coverpage comments in the IntelliFAX650M:-
	After selecting the SETUP SYSTEM, press the 6 key.
6.SET COVERPAGE 	6.SET COVERPAGE will appear in the display, then press the SET key.
5. SELECT < > & SET 	You will be prompted to select the number of the coverpage comment you wish to store. Press the cursor key to select the number of the coverpage comment that you wish to store, then press the SET key.
5. T	
5.TOP SECRET	Use the numeric keypad to enter the text of the coverpage comment (which can be up to 27 characters) in the way described in the section of **Using The Numeric Keypad To Enter Text (page 4–5).**
	Press the SET key to confirm the entry.
6.SET COVERPAGE	The display will revert to 6.SET COVERPAGE. If you wish to change another system setting, press a number key, otherwise press STOP to exit.

7. AUTO DIALING

The IntelliFAX600/650M allows you to store frequently used fax and telephone numbers in the machine's memory, and to recall and dial them using codes. This useful feature saves you having to dial the full number on the numeric keypad. There are five labelled one-touch dial buttons for your most frequently used numbers, and you can store a further 10 speed-dial numbers on the IntelliFAX600 and 40 speed-dial numbers on the IntelliFAX650M that can be called up by dialing a two-digit code on the numeric key pad.

Note:

- When storing auto dial numbers, it is vital that you take every precaution during entry of numbers into the auto dial memories, to ensure that the numbers are correct. Always double-check international dialing prefixes. It is a good idea to print out the all dial list whenever you have stored or amended a one-touch or speed-dial number. See page 13–2 "Printing the all dial list".
- Incorrect numbers can cause great expense to you, unnecessary congestion of the telephone network, and inconvenience to others.
- In the event of interruption in electric power, all the stored fax and telephone numbers are retained in memory.

Chain Dialing

In addition to the one-touch dialing and speed dialing functions available on the unit, a further convenient option called "chain dialing" can be used with either of the auto dialing functions. When you send an automatic-transmission, the machine allows you to use a single one-touch dial or speed dial number. However, if you register a one-touch or speed-dial as a "chain dialing" number, the machine allows you to use up to five chain numbers and one one-touch or speed-dial number.

When dialing overseas fax or telephone numbers, there may be situations in which a company can offer you better rates than the telephone company you normally use. Chain dialing lets you choose the telephone company, whose line charge is lower if you register the access code to a second telephone company as a chain dial number. This is also important when using a telephone credit card.

You can register numbers with up to 20 digits.

Chain dialing are registered the same as any other number except that you register the type as a chain. See page 7–4 and 7–6.

Storing Auto Dial Numbers

Auto dial numbers can be stored by selecting function item 4 - SET AUTO DIAL, then choosing either ONE-TOUCH DIAL or SPEED-DIAL from the options presented.

As well as the fax or telephone number, you can also store the name of the destination, which will be displayed as a check when you dial the number using one-touch or speed-dialing.

Using The Redial/Pause Key

When storing auto dial numbers, you will use the numeric keypad to enter numbers and text as described earlier.

If your IntelliFAX600/650M is connected to a PBX, you may need to insert a code for outside line access before each fax or telephone number that you store in the memory. For example, *if your code for outside line access is "9", you will need to store* "9" as the first digit of every fax or telephone number in the auto dialing memories.

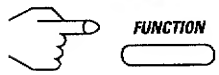
If your PBX returns secondary proceed indication (in other words, if you have to wait for "outside dial tone" before dialing, after accessing an outside line) the PAUSE button should be used.

During storage of auto dial numbers, pressing the PAUSE button between the outside line access code and the rest of the number displays a dash "-" on the LCD, for example 9-0613306531.

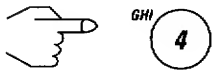
When dialing using the auto dial number, this builds in 3.5 second delay, needed to allow time for the outside telephone exchange to prepare for dialing after the access code has been dialed.

Only one pause can be inserted into a number, so if you need more than a 3.5 second delay, please contact your Brother service who can adjusts the pause period.

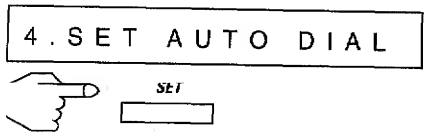
Storing One-touch Dial Numbers



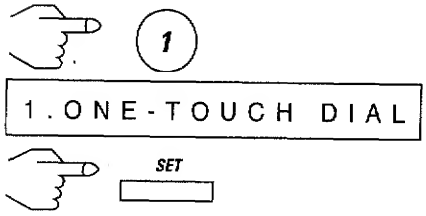
Press the FUNCTION key.



Press the 4 key to access the SET AUTO DIAL function.

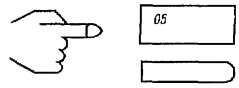


4.SET AUTO DIAL will be displayed, then press the SET key. The display will begin to scroll through the sub-function items that are available for 4.SET AUTO DIAL.

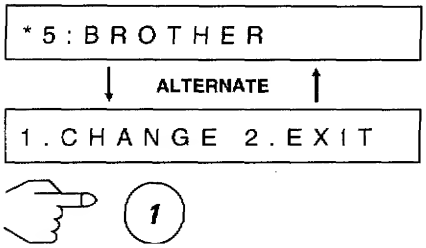


Press the 1 key to access the ONE-TOUCH DIAL function, then press the SET key.

You will be prompted to select a one-touch key.

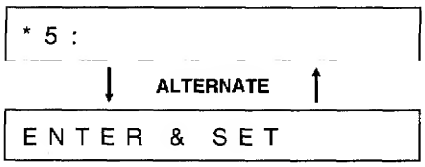


Press the one-touch key to which you wish to assign a number.

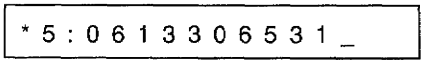


If the one-touch key is already in use, you will be asked if you wish to change it or exit and select a different one-touch number. This display does not appear if the one-touch key you chose is not assigned.

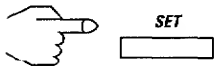
Press 1 to assign a new number to the one-touch key, or press 2 to choose a different one-touch key.



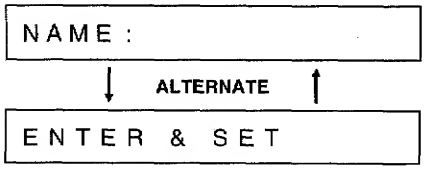
You will be prompted to enter the fax or telephone number of the destination. If you are replacing an existing number with a new one, the old number will appear in the display. Press the CLEAR key to erase the old number.



Enter the number, using the numeric keypad (with can have up to 20 digits).



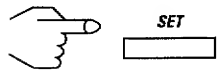
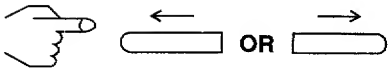
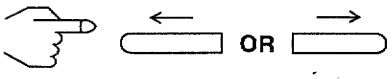
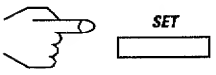
Press the SET key.



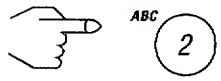
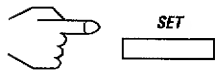
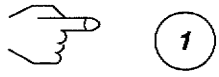
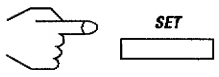
You will be prompted to enter the name of the destination.

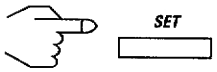
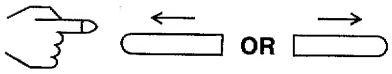
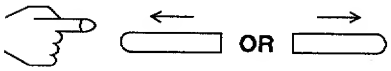
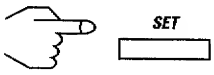
If you are replacing an existing name with a new one, the old name will appear in the display. Press the CLEAR key to erase the old name.

For information on using the numeric key pad to enter text, please read the section on **Using The Numeric Keypad To Enter Text**.

NAME : BROTHER_	Use the numeric keypad to enter the name (up to 17 characters).
	Press the SET key.
TYPE : FAX ↓ ALTERNATE ↑ SELECT < > & SET	You will now be prompted to use the cursor keys to select the type of number. There are four options. FAX - Choose this option if the destination number is a fax machine. TEL - Choose this option if the destination number is a telephone. F/T - Choose this option if the destination number has both a fax and a telephone on one line. CHAIN - Choose this option if you are registering a number for chain dialing. This information will be printed on the list of auto dial numbers, so that you know which of your auto dial destinations are fax, telephone, both or chain.
	The default setting is FAX. If you wish to change this, press a cursor key, otherwise press the SET key to continue.
TYPE : TEL	As soon as you press a cursor key, the display will stop alternating, and only the selction line will be displayed.
	Make your selection with the cursor keys.
	Press the SET key.
SELECT ONE-TOUCH	The display will change to SELECT ONE-TOUCH.
	If you wish to assign another one-touch key, press the one-touch key. Otherwise press the STOP key to exit.

Storing A Speed-dial Number

4. SET AUTO DIAL	
	After selecting the SET AUTO DIAL, press the 2 key to access the speed-dial function.
2. SPEED-DIAL	2.SPEED-DIAL will appear in the display, then press the SET key.
	
SPEED-DIAL? #_	You will be prompted to enter a two-digit speed-dial number.
SPEED-DIAL? #0_ SPEED-DIAL? #05	Using the numeric keypad, enter the two-digit speed-dial number (from 01 to 10 on the IntelliFAX600, from 01 to 40 on the IntelliFAX650M) to which you wish to assign a number. A speed-dial number is always a two-digit code, even if the first digit is zero. You cannot just enter 5 for speed-dial number 05, for example, you must enter 05.
# 05:BROTHER ↓ ALTERNATE ↑ 1. CHANGE 2. EXIT	If the speed-dial number is already in use, you will be asked if you wish to change it, or exit and select a different speed-dial number. This display will not appear if the speed-dial number you choose is not assigned. Press 1 to assign a new number to the speed-dial number, or press 2 to choose a different speed-dial number.
	
# 05: ↓ ALTERNATE ↑ ENTER & SET	You will be prompted to enter the fax or telephone number of the destination. If you are replacing an existing number with a new one, the old number will appear in the display. Press the CLEAR key to erase the old number.
# 05:0613306531_	Use the numeric keypad to enter the number (which can have up to 20 digits).
	Press the SET key.

NAME: ↓ ALTERNATE ↑ ENTER & SET	You will now be prompted to enter the name of the destination. If you are replacing an existing name with a new one, the old name will appear in the display. Press the CLEAR key to erase the old name.
NAME:BROTHER	Use the numeric keypad to enter the name (up to 15 characters).
	Press the SET key.
TYPE:FAX ↓ ALTERNATE ↑ SELECT < > & SET	You will now be prompted to use the cursor keys to select the type of number. There are four options. FAX - Choose this option if the destination number is a fax machine. TEL - Choose this option if the destination number is a telephone. F/T - Choose this option if the destination number has both a fax and a telephone on one line. CHAIN - Choose this option if you are registering a number for chain dialing.
	The default setting is FAX. If you wish to change this, press a cursor key, otherwise press the SET key to continue.
TYPE:TEL	As soon as you press a cursor key, the display will stop alternating, and only the selection line will be displayed.
	Make your selection with the cursor keys.
	Press the SET key.
SPEED-DIAL? #_	The display will change to SPEED-DIAL? #_.
	If you wish to assign another speed-dial number, enter the two-digit short code. Otherwise press the STOP key to exit.

8. SENDING FAXES

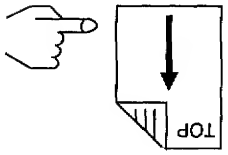
In a previous section you learned how to use the IntelliFAX600/650M as a copier. This section tells you how to send faxes. It's important to remember that the same rules about what documents are suitable for copying also apply to documents for transmission, so if you skipped that section it's a good idea to read it now.

The IntelliFAX600/650M has many features for ease of use and to enhance the quality of transmitted faxes. After looking at the basics of sending a fax, we will go on to discuss some of these more advanced features.

Sending A Fax Automatically

```
03/14/1992 12:43
```

To send a fax, first insert the document you wish to send, face down, in the document feeder, just as when making a copy.

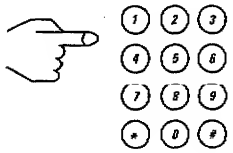


The top edge of the document should face into the feeder, otherwise your fax will be received upside-down.

```
COPY: PRESS COPY
      ↓ ALTERNATE ↑
FAX: NO. & START
```

After you insert the document, the display will change, prompting you to press the COPY key, or dial a fax number and press the START key.

Dial the number of the destination, using one of the following methods.



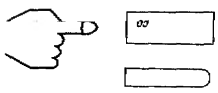
1. Manual Dialing

Dial each digit of the destination fax number on the numeric keypad.

```
0613306531_
```

The number will appear in the display as you dial, so that you can check if it is correct.

2. One-Touch Dialing



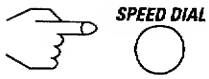
Up to five fax numbers can be stored, and recalled using one of the five one-touch buttons located immediately below the display. To dial one of these stored numbers, simply press the appropriate button.

```
BROTHER FRANCE
```

When you press a one-touch button, the name of the destination will appear in the display.

3. Speed-Dialing

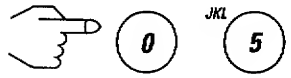
Up to 10 speed-dial numbers on the IntelliFAX600 and up to 40 speed-dial numbers on the IntelliFAX650M can be stored, and recalled by dialing a two-digit speed dial code on the keypad.



To speed-dial, first press the speed-dial key. This tells the IntelliFAX600/650M to expect a speed dial code instead of a full-length, manually-dialed number.

```
SPEED-DIAL? #_
```

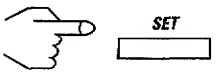
You will be prompted to enter a speed-dial number.



Enter the two digit speed dial code.

```
SPEED-DIAL? #0_
```

```
SPEED-DIAL? #05
```

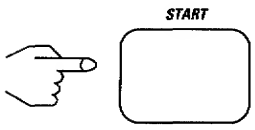


Press the SET key.

```
BROTHER BELGIUM
```

After entering the code, the name of the destination will appear on the display.

Information on storing one-touch and speed-dial numbers is given in the section on AUTO DIALING, page 7–1.



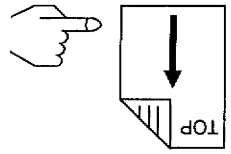
After the number to be dialed has been entered by one of these three methods, press the START key.

```
SENDING
```

The IntelliFAX600/650M will dial the number and send the fax.

Note:
- When sending automatically, a "CNG" tone is sent by your unit. This is an important signal if the other end is using a F/T switch or TAD interface.

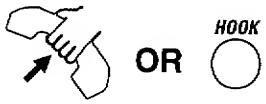
Sending A Fax Manually



If you want to send a fax manually, first place the document in the feeder.

COPY: PRESS COPY
ALTERNATE
FAX: NO. & START

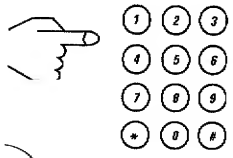
You will be prompted to press the COPY key, or enter a fax number and press START. As you wish to send the fax manually, ignore this message.



Lift the telephone receiver or press the HOOK key, and listen for dial tone.

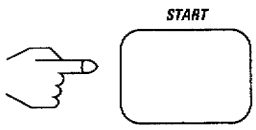
ENTER FAX NO.
ALTERNATE
PRESS START KEY

You will be prompted to enter the fax number.



You can use manual, one-touch or speed-dialing on the IntelliFAX600/650M.

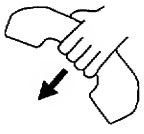
If the called side is a fax machine set to auto answer, you will hear fax tones when the machine answers the call.



Press the START key to send your fax.

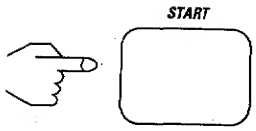
SENDING

The IntelliFAX600/650M will begin to send the fax.



You may now replace the telephone receiver.

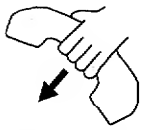
If the called party answers the call manually, you can have a conversation.



If you want to send a fax after speaking to the called party, press the START key after the called party has pressed theirs and is putting fax tones onto the line.

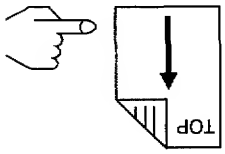
SENDING

The IntelliFAX600/650M will begin to send the fax.

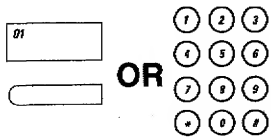


You may now replace the telephone receiver.

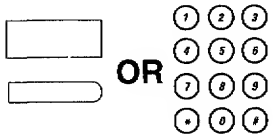
Sending A Fax Using Chain Dialing



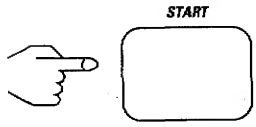
Place the document in the feeder.



Press the chain dial number first (you can do up to 5 chains per dialing sequence).



Press other registered telephone numbers.

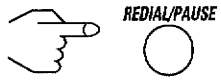


Press the START key.

Note:

- You can place a pause either at the end of a chain number or the begining of the next chain number to allow time for delayed dial tones.
- Depending on the type of telephone credit card you are using it maybe necessary to register the telephone numbers as chain dial numbers and the access code as a regular number.
- If you are doing manual dialing any pause keys must be placed into the registered chain dial number.

Automatic And Manual Redialing



If your call fails to be connected for any reason, you can redial the number by pressing the REDIAL/PAUSE key.

If you don't want to waste time re-trying a busy number, the IntelliFAX600/650M can also redial the number automatically if auto redial has been switched on when configuring the system (see page 5–4). The IntelliFAX600/650M will re-dial the number three times at five-minute intervals before giving up.

AWAITING REDIAL

In the interval between re-tries, AWAITING REDIAL is displayed.

If you wish to stop auto redial, just press the STOP key.

Resolution

In order to transmit a document over the telephone network, the IntelliFAX600/650M scans the document, line-by-line, from top to bottom, in the same way as a television picture. The scanned image is then sent to another fax machine as an electrical signal, where it is printed out line by line to reproduce a copy of the original document.

The smaller the distance between the scan lines, the better the reproduction of the document. This is known as the RESOLUTION of the fax machine.

The IntelliFAX600/650M has three resolution settings.

STANDARD is a resolution of 98 × 203 lines per inch.

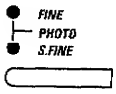
FINE is a resolution of 196 × 203 lines per inch.

SUPERFINE is a resolution of 392 × 203 lines per inch.

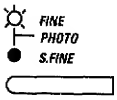
There is also a special mode for photographs, which will be described later.

When sending a fax or making a copy, the resolution can be changed at any time before you press the START key or COPY key.

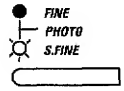
It is set by pressing the RESOLUTION key (labelled FINE-S.FINE-PHOTO) on the right of the control panel. Standerd resolution is selected when both lamps are off. One of the other resolution setting is selected when the appropriate lamp is lit. Afer sending the fax, the resolution will revert to STANDERD.



STANDARD resolution can be used for most typewritten text.



FINE resolution should be used for small text such as printed text.

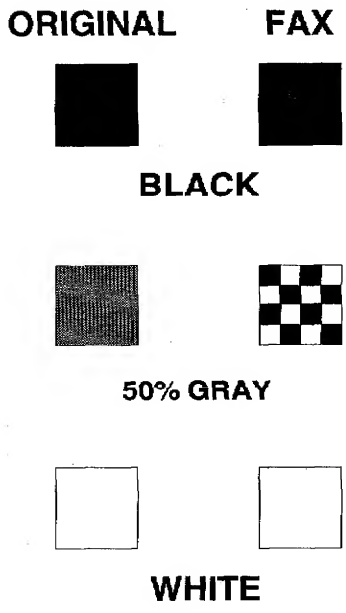


SUPERFINE resolution should be used for very small text and artwork.

Note that SUPERFINE resolution is a proprietary mode that can only be used between Brother fax machines. If you try to send a fax in SUPERFINE resolution to a non-Brother fax machine, it will be sent in FINE resolution.

Why bother with different resolution modes, at all? Why not simply send all faxes in superfine mode? The answer is that it takes roughly twice as long to send a fax in fine mode as in normal mode, and four times as long in superfine mode.

Photo Mode



When the IntelliFAX600/650M scans a document, it breaks each line down into a large number of dots called pixels. (pixels stands for picture elements). The printer in the receiving fax can only print each pixel as black or white, it cannot print shades of gray.

This can be a problem when transmitting pictures with shades of gray such as photographs, since all areas of the picture darker than a certain shade will come out black, and all lighter areas will come out white.

To get around this problem the IntelliFAX600/650M uses a technique similar to that used to print photographs in newspapers, simulating shades of gray with combinations of dots. Blocks of 16 pixels are used. Some of these will be black and some white, depending on the shade of gray being simulated.

Note that photo mode should only be used for those documents that require it, because:-

- A fax sent in photo mode takes as long as one sent in superfine mode.

- The scanning method used for photo mode tends to make the edges of text look ragged.

Contrast

Contrast is the difference in lightness between the black and white parts of a document. This can vary depending on the color of the paper and the quality of text. A document typed with a new nylon ribbon on white paper will have higher contrast than one typed with an old ribbon on colored paper.

The IntelliFAX600/650M has automatic contrast control that allows it to decide which areas of the document are white and which are black.

Occasionally you may have a very light or a very dark document that does not give good results when faxed. In this case you can override the automatic control, and set the contrast to SUPER LIGHT to send a very light document or SUPER DARK to send a very dark document.

Overseas Mode

Overseas mode provides an efficient method for sending your fax overseas.

Temporary Settings

If you have a document that is very light, you can set the contrast manually using the TEMP. SETTINGS function. You can also use the TEMP. SETTINGS to change the resolution page by page, or to send your fax overseas.

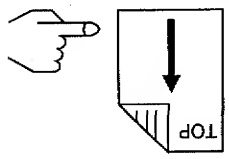
One important use for Temporary Settings is for Multiple Resolution transmission. This allows you to pre select the resolution for each document being sent.

When you set the resolution using the RESOLUTION key, this sets the resolution for the whole document. However, some documents may need different resolution settings for different pages. For example, if you had a document with a lot of text pages and a few photographs, you would want to send the text pages in standard mode for minimum transmission time, and the photographs in photo mode.

The IntelliFAX600/650M allows you to set the resolution for each page of a document, using the RESOLUTION option of the TEMP. SETTINGS function.

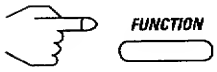
After the fax has been sent, contrast will revert to AUTO, resolution will revert to STANDARD and overseas mode will revert to OFF.

1.Temporary Setting Of Contrast



To change the contrast setting:

Place the document in the feeder.

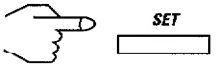


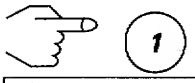
Press the FUNCTION key.

Press the 1 key and the SET key to select the TEMP. SETTINGS function.

1. TEMP.SETTINGS

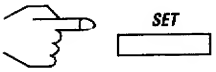
The display will begin to scroll through the sub-function items that are available for 1.TEMP. SETTINGS.





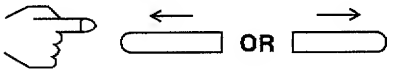
1. CONTRAST

Press the 1 key to access the CONTRAST function, then press the SET key.



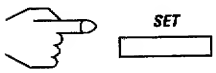
CONTRAST : AUTO
↓ ALTERNATE ↑
SELECT < > & SET

You will be prompted to change the contrast using the cursor keys.



CONTRAST:S. LIGHT

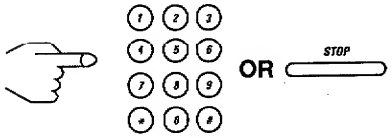
Use the cursor keys to select AUTO, S.LIGHT or S. DARK. If you decide not to change the contrast, press the SET key to exit.



Press the SET key.

1. CONTRAST

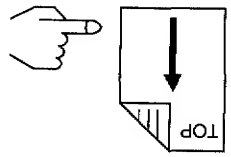
The display will revert to 1.CONTRAST.



If you wish to go on to set another temporary setting, press a number key, otherwise press the STOP key to exit.

You can now send your fax in usual way.

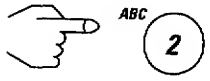
2.Multiple Resolution Transmission



To set the resolution page by page:-

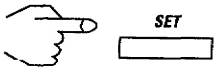
Place the document in the feeder.

1. TEMP. SETTINGS



After selecting the TEMP. SETTINGS, press the 2 key.

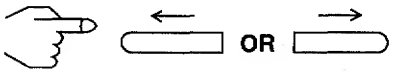
2. RESOLUTION



2.RESOLUTION will appear in the display, then press the SET key.

PAGE 01:STANDARD
↓ ALTERNATE ↑
SELECT < > & SET

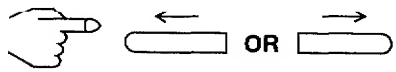
You will be prompted to select the resolution for page 1.



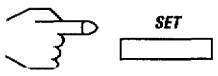
If you wish to change the resolution for page 1, press a cursor key, otherwise press the SET key to continue.

PAGE 01 : FINE

As soon as you press a cursor key the display will stop alternating, and only the selection line will be displayed.



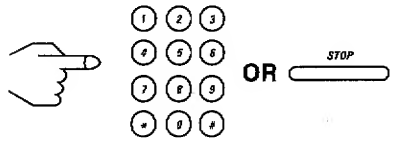
Use the cursor keys to select the resolution for page 1.



Press the SET key.

PAGE02:STANDARD

Repeat for the remaining pages of the document.



Press the STOP key when you have finished.

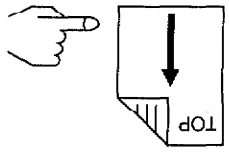
You can now send your fax in the usual way.

You may have noticed that when you set the resolution for a particular page, that resolution came up as the suggested setting for the next page. If you wanted the next page to have the same resolution, you just pressed the SET key. If you can group all the pages with the same resolution together, just press the RESOLUTION key to save a lot of finger work on the cursor keys.

Note:

- Resolution is controlled by the transmitting fax machine.
- When transmitting colored documents such as color photographs, remember that the IntelliFAX600/650M can only "see" in black-and-white, even in photo mode, which means that different colors may be seen, and transmitted, as the same shade of gray. If in doubt, make a trial copy before sending the colored document.

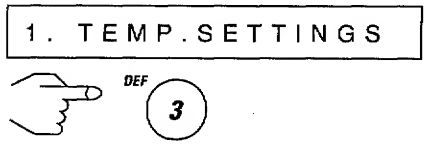
3.Temporary Setting Of Overseas Mode



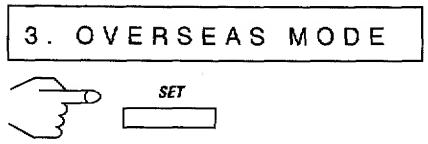
When you are having trouble sending overseas, you may wish to turn ON the overseas mode.

To change the overseas mode setting:-

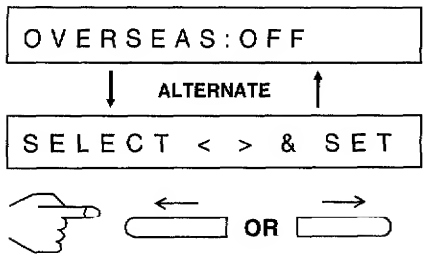
Place the document in the feeder.



After selecting the TEMP. SETTINGS, press the 3 key.

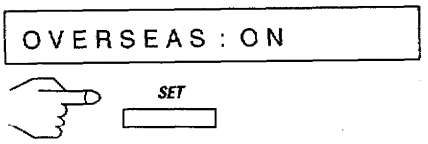


3.OVERSEAS MODE will appear in the display, then press the SET key.

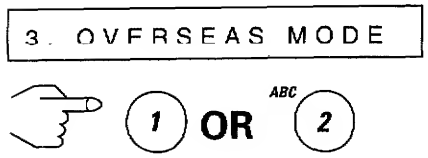


An alternating display will prompt you to change the overseas mode setting using the cursor keys, then press the SET key.

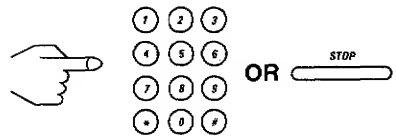
Use the cursor keys to select ON or OFF. If you decide not to change the setting, just press the SET key to exit.



Press the SET key.



The display will revert to 3. OVERSEAS MODE.



If you wish to set another TEMP. SETTINGS, press a number key, otherwise press the STOP key.

You can now send your fax in usual way. After transmission, overseas mode will revert to OFF.

The Coverpage

It's good idea to send a coverpage as the first page of a fax, giving details of who the fax is being sent to, who it's from, and so on. The IntelliFAX600/650M can generate a coverpage electronically, without you having to prepare one and feed it through the document feeder. This saves paper and ensures that all your faxes have a standard coverpage format.

To see what a coverpage looks like, you can print out a sample by selecting function item 3.PRINT REPORTS, and choosing option 3.COVERPAGE (see page 13–3).

A coverpage contains:-

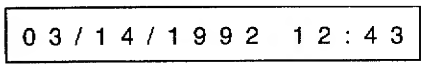
- The destination name and fax number taken from the one-touch or speed-dial memory. If you dialed manually, the name will be left blank.
- Your name, fax, and telephone number, taken from the Station ID.
- The number of pages to be transmitted.
- There are three fixed coverpage comments to choose from. On the IntelliFAX650M, you can customise the other two yourself. They are:-

1. COMMENT OFF (no coverpage note)
2. PLEASE CALL
3. URGENT
4. CONFIDENTIAL
5. (User selectable) } **only for IntelliFAX650M**
6. (User selectable) }

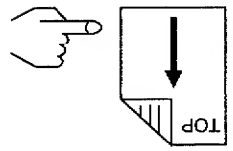
Information on storing your own coverpage notes is given on page 6–10.

You can send the coverpage with every transmission if you set the COVERPAGE to "ON". (See page 5–9)

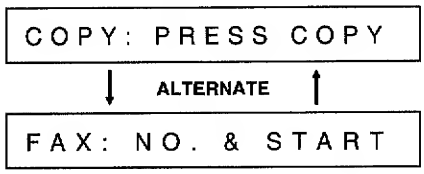
Sending A Fax with A Coverpage



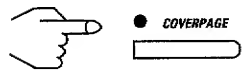
To send a fax with a coverpage:



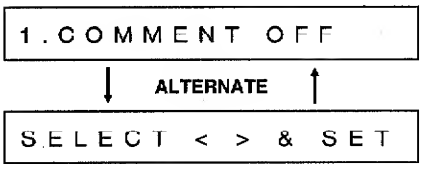
Insert the document face down in the feeder.



You will be prompted to press the COPY key, or enter a fax number and press the START key. As you wish to use the coverpage, ignore this message.



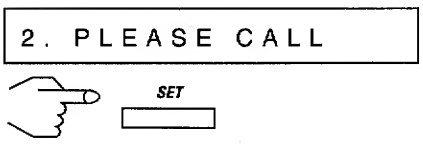
Press the COVERPAGE key.



You will be prompted to select the comment (if any) that you wish to appear on the coverpage.

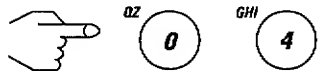
Select the coverpage comment by pressing a cursor key.

Note:
- If you make a mistake you can try again by pressing the STOP key.

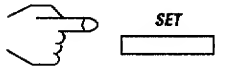


Your chosen coverpage comment will remain in the display then press the SET key.

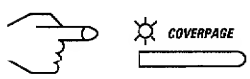
You will be prompted to enter the total number of pages to be transmitted.

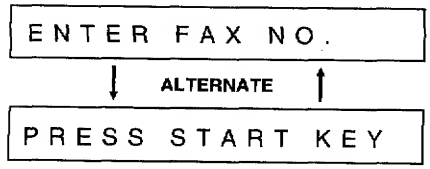


If you wish the total number of pages transmitted to appear on the coverpage, enter the number of pages. Otherwise press SET.

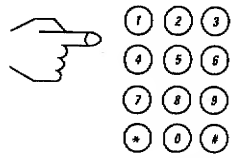


Press the SET key. The COVERPAGE lamp will now light.

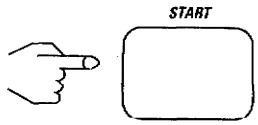




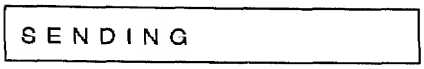
You will be prompted to enter the fax number of the destination and press the START key.



Dial the fax number using manual, one-touch,or speed-dialing.



Press the START key.



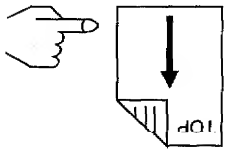
Note:
- If you enter "00" for the number of pages, the total number of pages area will be left brank.
- If you have turned coverpage "on" (see page 5–9), then when you press COVERPAGE button, it will turn it off for this transmission.

Call Reservation And The Call Back Message

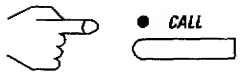
The purpose of this feature is to alert the party receiving your fax transmission that you want to speak to them on completion of the transmission. When your document has been printed at the receiving station, the receiving fax machine will ring as if it were receiving a telephone call. If the receiving party is present and picks up the handset, your fax machine will also ring. Then you can pick up the handset and talk with the person to whom you have just sent a fax.

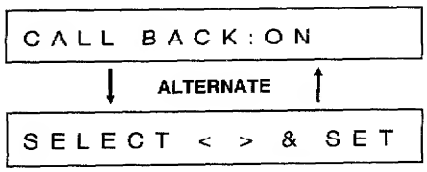
Sending A Fax With Call Reservation

The steps for sending a fax transmission with call reservation are as follows.



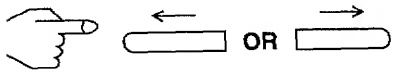
Set the document face down in the feeder, then press the CALL key.

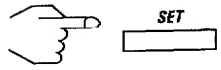




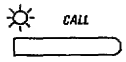
The display will prompt you to change the setting of call back message between OFF and ON using the cursor keys, then press the SET key.

If you wish to change the current setting, press one of the cursor keys, otherwise press the SET key to exit.



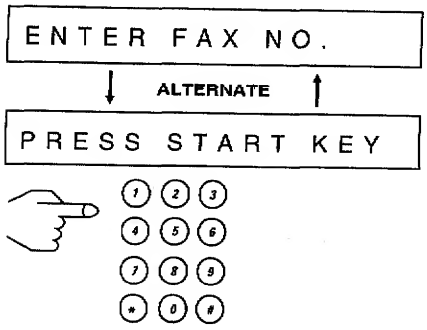


Press the SET key.



The CALL lamp will light, when ON is set.

The call back message is a text message that will be printed at the receiving station if the receiving party does not answer. The message requests the receiver to call you.



You will now be prompted to enter fax number. Select the destination fax number, by entering it manually, or using one-touch or speed-dial, then press START.

CALLING

When the document has been transmitted, the unit at the receiving station rings.

CALL PICKUP

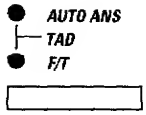
If the receiving party answers, your unit will also ring.

You can now pick up the handset and talk. If the receiving party does not answer and you have previously selected CALL BACK MESSAGE "ON", a call back message will be printed at the receiving station instead.

Note:

- If you have not registered your telephone number at station ID (see page 6–6), you cannot send a call back message.
- If an errors occurs during the transmission of the fax itself the CALL RESERVATION function will not operate.
- There are certain types of fax machine which will not respond to the CALL RESERVATION function.
- When auto redialing, CALL RESERVATION will be canceled. But, if you select CALL BACK MESSAGE "ON", the unit will send a call back message after sending the document.
- You can not use CALL RESERVATION with either the timer or polling function.
- If you set the CALL RESERVATION then set up a timer (delayed) transmission, the CALL RESERVATION and CALL BACK MESSAGE will be canceled.
- An example of the call back message is shown on page 13–8.

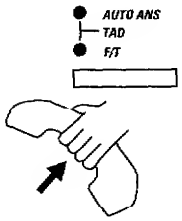
9. RECEIVING FAXES AND OTHER CALLS



How the IntelliFAX600/650M handles incoming calls depends on the setting of the ANSWER MODE. This is controlled by the key at the top right of the control panel with two lamps labelled AUTO ANS, F/T and TAD.

The IntelliFAX600/650M may be connected to a telephone line on its own, or together with a telephone instrument so that you can make and receive telephone calls, as well as receive faxes.

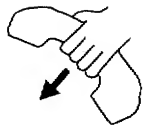
Manual Reception



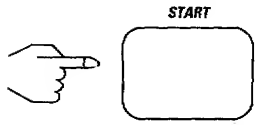
If you wish to answer all incoming calls manually, press the ANSWER MODE key until both lamps are off.

When an incoming call rings the telephone on the fax, answer the call by picking up the telephone.

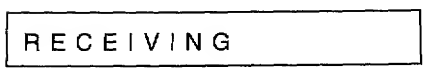
If you hear the voice of a human caller, you can have a telephone conversation in the normal manner.



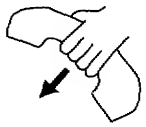
Replace the telephone receiver when finished.



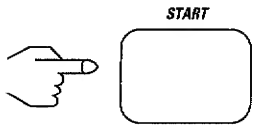
If the caller wants to send a fax after speaking with you, press the START key when the caller is ready to send.



Your IntelliFAX600/650M will begin to receive the incoming fax message.



You may then replace the telephone receiver.



If you hear the calling tone of another fax machine when you lift the receiver, press the START key on your IntelliFAX600/650M immediately.

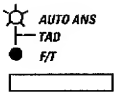
RECEIVING

Your IntelliFAX600/650M will begin to receive the incoming fax message.

You may then replace the telephone receiver.

Automatic Fax Reception

If you have a telephone line dedicated to fax use, and you require automatic reception of all calls, you should use the fax auto-answer mode.



Press the ANSWER MODE key until the "AUTO ANS" lamp is lit.

All incoming faxes will then be received automatically, without any manual intervention.

RECEIVING

When a fax is being received, the display will show the message RECEIVING.

You should also set the RING DELAY to "0" (zero), so that the IntelliFAX600/650M will answer incoming calls with no ring delay. See page 5–3 for information on how to do this.

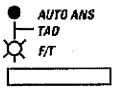
You may also connect a telephone to this line, but you will only be able to make outgoing calls, as the IntelliFAX600/650M will answer all incoming calls automatically.

The F/T Switch

Connecting a fax and a telephone to a single line may cause problems. If the fax is set to AUTO ANS mode and you do not answer the call before the fax machine does, incoming telephone callers will hear fax tones and may think they have mis-dialed, On the other hand, if you have the fax machine set to manual answer, you have to answer every incoming call manually, and some of these calls may be faxes.

Fortunately, the IntelliFAX600/650M is fitted with a call type discriminator, often called a fax/telephone switch or F/T switch. The F/T switch can distinguish between incoming fax calls and incoming telephone calls, by listening for the calling tone (CNG tone) sent by the transmitting fax machine. If an incoming call is a fax, the IntelliFAX600/650M will receive it automatically in most cases. If the call is a telephone call, the IntelliFAX600/650M will output a simulated ringing tone from its speaker to alert you to pick up the telephone receiver.

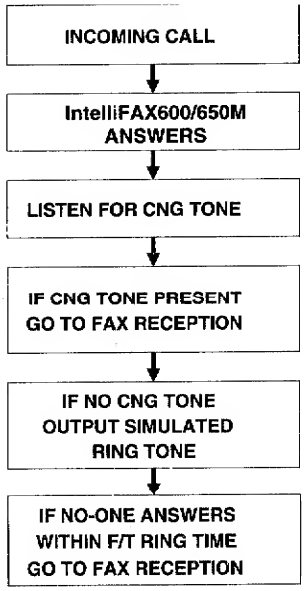
Note that some fax messages that are transmitted manually may not be received automatically, because some fax machines do not send calling tone in manual mode.



The F/T switch is activated by pressing the ANSWER MODE key until the F/T lamps is lit.

In F/T answer mode, the IntelliFAX600/650M will answer incoming calls automatically.

RECEPTION IN F/T MODE



It will then listen for fax calling tone (CNG tone) for 4 seconds. CNG is generated by most Group 3 fax machines in Automatic transmission mode. If this is detected, it will receive the fax message automatically.

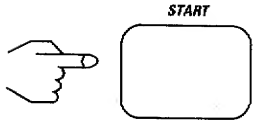
If CNG tone is not detected, the IntelliFAX600/650M decides that the incoming call is a telephone call, and will output a simulated ringing signal from the loudspeaker, to alert you to answer the call. You can set the time for which this ringing signal is output under function item 5.5 - USER OPTIONS - F/T RING TIME.

If you do not answer the call within the F/T ring time, the IntelliFAX600/650M will revert to fax receiving mode. This allows a manually transmitted fax to be received even if calling tone has not been detected.

Answering A Telephone Call In F/T Mode

To answer a call, pick up the telephone receiver when you hear the simulated ring tone.

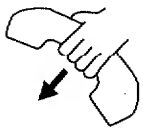
You may now speak to the calling party.



If, after speaking to you, the calling party wishes to send a fax, you can receive it by pressing the START key when the calling party is ready to send.

RECEIVING

Your IntelliFAX600/650M will begin to receive the incoming fax.



You can then replace the telephone receiver.

Remote Activation

If you have an extension telephone connected in parallel to the fax unit, you can activate or deactivate the fax unit remotely.

If you pick up the extension telephone and discover that a fax is being sent, you can turn on the fax unit remotely by pressing Remote Activation code on your touch tone telephone. The fax unit will turn on and receive fax message. Also, if you wish to receive a document after talking to distant end, this can be done by using the code.

If you are not near your unit when F/T ringing occurs, you can deactivate the fax unit remotely by inserting the Remote Deactivation code which will shut off the fax machine and let you talk on the line.

The TAD Mode

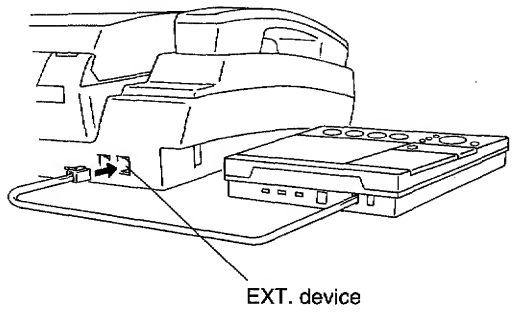
The TAD mode is intended to be used when you use the fax machine with TAD (Telephone Answering Device) attached to the Ext. Device jack in back of the unit.

TAD mode differs from F/T mode in that pseudo-ring tone is not output during the outgoing message, and the TAD outgoing message does not invite the user to wait for someone to answer the call, but only to record a voice message.

TAD mode is activated by pressing the ANSWER MODE key until both lamps are lit.

Using An External TAD

Connect your external TAD to the Ext. Device Jack as shown in the illustration below.



Set the ANSWER MODE key to "TAD" (so that the both lamps are lit.)

The external TAD is now ready for use.

The unit will enter the document reception mode automatically when another party tries to send a fax transmission with a CNG tone to your machine. CNG tone is generated by most G3 fax machines in automatic transmission mode.

If the sending party (using a tone type unit) presses your Remote Code, fax reception is switched to the main unit.

If the ICM (Incoming Message) section of your external TAD is full, the TAD will not answer the telephone. As a result, the unit cannot receive the transmission.

If your external TAD has a paging function, the unit may prevent the paging function from working.

Some fax machines may not be able to signal your fax machine to switch on automatically during a transmitting. To cover this possibility we recommend that you record a message on your TAD requesting the sending party to enter the Remote Code on his unit before transmission.

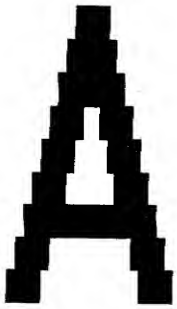
A sample message; "Our answering machine is connected to a fax unit at present, so if you would like to send a fax, please press the xxx (your Remote Code) by tone signal and send your fax after you hear the FAX tone. If you would like to leave a message, please do so after this message. Thank you."

Note:

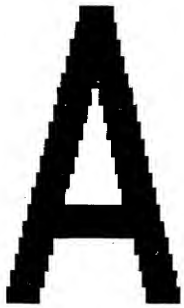
- When you pick up the handset of the fax while conversation on an external telephone, you will hear an alarm and the display will prompt "EXT. TEL IN USE".

  When you want to use the fax unit handset, first press HOOK key, which will disconnect the external telephone and enable the use of the fax unit handset.

Smoothing



SMOOTHING OFF



SMOOTHING ON

In the section on sending faxes, we saw how changing the resolution altered the quality of a transmitted fax. Changing the resolution setting on the IntelliFAX600/650M will not affect the resolution of an incoming fax. However, the IntelliFAX600/650M has a proprietary technique that will enhance the appearance of any incoming fax. This is called SMOOTHING.

When an incoming fax is being transmitted in standard or fine mode, the IntelliFAX600/650M can look at the incoming data and interpolate extra lines between those being sent by the transmitting fax. This smooths the outlines of text and prevents lines in artworks from having a jagged appearance.

Note:

- Smoothing enhances incoming faxes from any fax machine, not just Brother machines. It has no effect on the resolution of outgoing faxes.
- Smoothing has no effect if a fax is being sent to you in superfine resolution, since the printer in the IntelliFAX600/650M is already working at its maximum resolution.
- Smoothing has no effect when printing list and reports.

For information on how to turn smoothing on or off, turn to page 5–7.

Reception Into Memory (Only For IntelliFAX650M)

If the IntelliFAX650M has run out of paper it will automatically store any fax transmissions it receives in its memory. Also, if it runs out of paper midway through receiving a transmission, it will store the part of the document that it is unable to print. The following message appears on the LCD display:

PAPER ROLL EMPTY

Load the machine with paper and the unit will print any stored documents or parts of documents automatically.

No data is lost provided you do not turn off the machine prior to printing out the stored documents or if you lose power.

10.USING THE UNIT AS A TELEPHONE

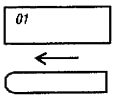
As well as sending fax transmissions, this fax machine can also be used to make telephone calls. You can rather dial numbers manually or use one-touch dialing or speed dialing.

Manual Dialing

Pick up the handset and dial the telephone number normally using the number keys.

Alternatively, press the HOOK key to enable dialing and then dial the telephone number using the number keys. When the receiving party answers, pick up the handset and proceed with your call.

One-Touch Dialing



You can use any of the one-touch telephone numbers that you have registered. Simply pick up the handset (or press the HOOK key), and press the appropriate one-touch key.

If you use the HOOK key, pick up the handset when your call is answered.

Speed Dialing

You can also make use of the speed dial feature. Simply pick up the handset (or press the HOOK key), press the SPEED-DIAL key and press the appropriate 2 digits speed-dial number.

If you used the HOOK key, pick up the handset when your call is answered.

Using Keys With The Telephone

Use this key to put a pause between numbers. (You can not use the PAUSE key continuously.)

Use this key to put a telephone call on hold.

Use this key to switch the dialing type to "tone" from "pulse".

11. POLLING

What Is Polling?

During normal fax transmission, you call up another fax machine and send a fax. In this case you pay for the cost of the call, just as when you make a normal voice telephone call. Conversely, when someone calls up your fax machine and sends you a fax, they pay for the cost of the call.

Polling reverses this procedure. To poll another fax machine, you call it up, and request it to send you a fax which has been left in the document feeder. You pay for the cost of the call and receive a document. Conversely, you may leave a document in your fax machine and allow another fax machine to call up and poll for it. This is being polled.

Why Is Polling Used?

You may want someone to send you a long document, but they may not wish to pay for the cost of the call. This problem may be solved if they agree to leave the document in their fax machine so that you can call them up and poll for it.

Polling may be used by a head office to gather in information such as orders and sales statistics from home-based sales people. They may have difficulty sending in a fax if the head office fax machine is busy, but head office can probably call up their home number with less difficulty. It may also be preferable for head office to bear the cost of the call.

Polling can also be used to take advantage of differences in call charges depending on the place from which the call is initiated.

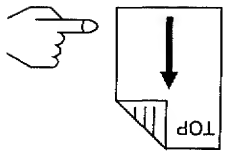
Secure Polling

Once you leave a document in your fax machine to be polled, anyone can call up and poll for that document. To prevent this, you can use secure polling. This simply means that you agree, in advance, a four digit password with the caller who is going to poll for your document. When they call, they must key in the password before they can poll for the document.

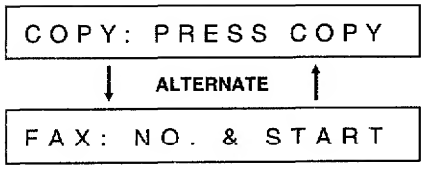
Please note the called side's machine should be a Brother machine.

Setting Up The IntelliFAX600/650M To Be Polled

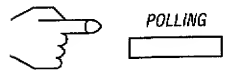
Setting up the IntelliFAX600/650M to be polled is very easy, but don't forget, if you wish the polling to be secure, the other party's machine should be a Brother machine, and also you must first agree on a four digit ID with the other party.



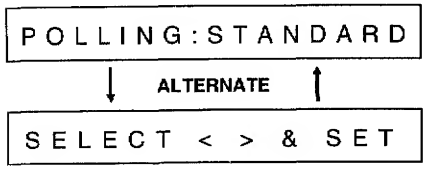
Place the document to be polled face-down in the document feeder.



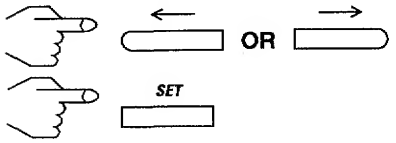
You will be prompted to press the COPY key, or enter a fax number and press the START key. As you are setting up the machine to be polled, ignore this message.



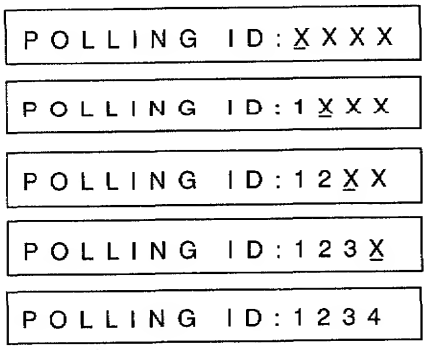
Press the POLLING key.



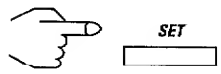
You will be prompted to select STANDARD or SECURE polling. The default is STANDARD.



If you wish to select SECURE polling, press a cursor key and the SET key, otherwise just press the SET key to continue.

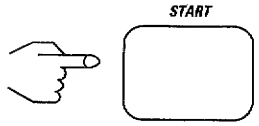


If you selected SECURE polling, enter the four digit ID that you have previously agreed with the other party.



Press the SET key.

PRESS START KEY



Press the START key.

POLLED WAITING

The IntelliFAX600/650M will go into a waiting state.

SENDING

When the calling party polls your machine, the SENDING display will appear, indicating that your IntelliFAX600/650M is sending the fax back to the polling fax machine.

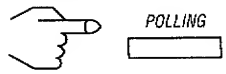
After a document has been polled, "Polled Report" will be printed out automatically.

Note:
- If you wish to cancel a polled job, you must enter to function item 2. CANCEL JOB (see page 12-4).

Polling Another Fax Machine With The IntelliFAX600/650M

Setting up the IntelliFAX600/650M to poll another fax machine is almost as easy as setting it up to be polled, but don't forget, you cannot poll another fax machine unless the other party has set up their machine to be polled, and has given you the ID in the case of secure polling. Also, the other party's machine should be a Brother machine in the case of secure polling.

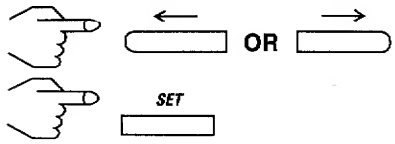
Make sure that there is no document in the feeder.



Press the POLLING key.

```
POLLING:STANDARD
   ↓ ALTERNATE ↑
SELECT < > & SET
```

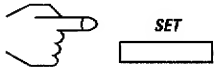
You will be prompted to select STANDARD or SECURE polling.



If you wish to select SECURE polling, press a cursor key and the SET key, otherwise just press the SET key to continue.

```
POLLING ID:XXXX
POLLING ID:1XXX
POLLING ID:12XX
POLLING ID:123X
POLLING ID:1234
```

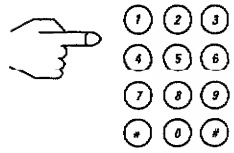
If you selected SECURE polling, enter the four digit ID that you have previously agreed with the other party.



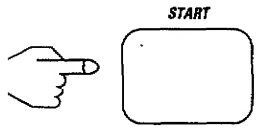
Press the SET key.

```
ENTER FAX NO.
   ↓ ALTERNATE ↑
PRESS START KEY
```

At this point you will be prompted to enter a fax number.



Enter the fax number of the fax machine to be polled, using manual, one-touch, or speed-dialing.



Press the START key.

RECEIVING

Your machine will now call up the other fax machine and poll for the document.

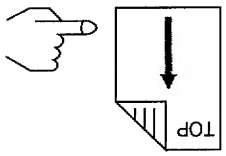
12. USING THE TIMER

The IntelliFAX600/650M has a built-in timer linked to the clock. This allows you to leave a document in the IntelliFAX600/650M for later transmission, for example, in the evening, when telephone lines are less busy and call charges are lower. This is known as delayed transmission.

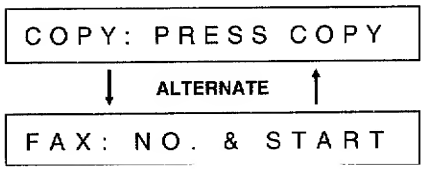
Setting up a transmission on the timer is just like setting up a job to be carried out immediately, except that you must also set the timer. Then, when you have set up the job and press the START key, the job will not be carried out immediately, but at the time you have set on the timer.

Delayed Sending

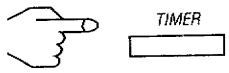
To set up the IntelliFAX600/650M for delayed sending:-



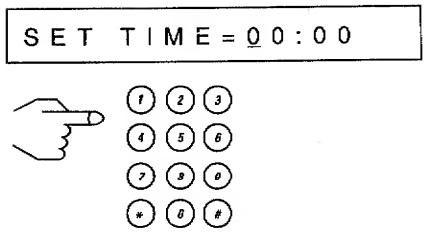
Place the document to be sent in the document feeder.



You will be prompted to press the COPY key, or to enter a fax number and press START. As you wish to set the timer, ignore this message.

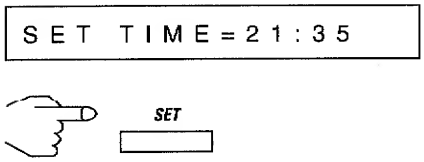


Press the TIMER key.

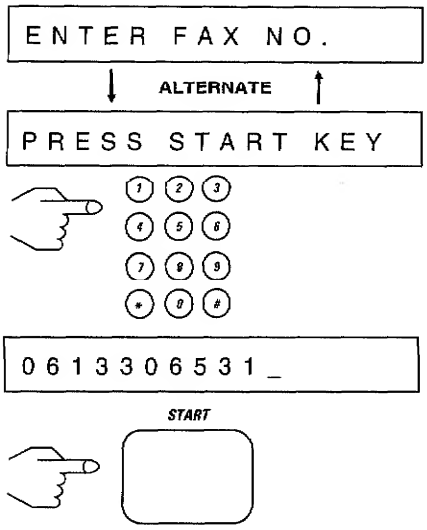


If you set the daily timer when you configured the machine, this time will be shown in the display. If you wish to use the time that is already set on the daily timer, simply press the SET key.

Otherwise, enter the time at which you wish the document to be sent.



Press the SET key.



You will be prompted to enter the fax number of the destination.

Enter the fax number of the destination, using manual, one-touch, or speed-dialing.

Press the START key.

TIMER WAITING

The IntelliFAX600/650M will go into a waiting state.

After transmission has successfully been completed, a "Delayed Sending Report" will be printed out automatically.

Note:

- Once the timer has been set for a delayed transmission, you cannot send another fax unless you interrupt or cancel the timer job, which is explained on page 12–4. Your IntelliFAX600/650M can, of course, continue to receive incoming faxes.

Interrupting A Timer Or Polled Job

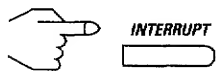
After the timer has been set, you may wish to send an urgent fax, poll another station, or make a copy. You can do this without losing the delayed sending or polled job.

TIMER WAITING

OR

POLLED WAITING

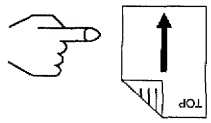
To interrupt a delayed sending or polled job:-



Press the INTERRUPT key.

REMOVE DOCUMENT

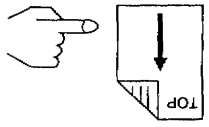
You will be prompted to remove the document.



Remove the document from the feeder.

INSERT DOCUMENT

You will be prompted to insert a new document.

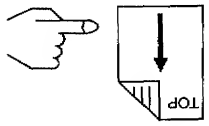


If you wish to make a copy or send a priority fax, insert the document.

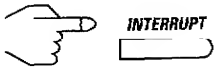
Send your fax or make a copy in the normal way.

INSERT DOCUMENT

After the transmission or making a copy, you will be prompted to replace the original document.



Replace the original document in the feeder.



Press the INTERRUPT key.

TIMER WAITING

OR

POLLED WAITING

The display will return to TIMER WAITING or POLLED WAITING, depending on what job was originally set up.

Cancelling A Timer Or Polled Job

TIMER WAITING

OR

POLLED WAITING

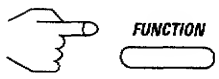
OR

03/14/1992 12:43

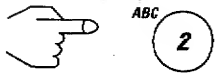
If you wish permanently to cancel a job that has been set on the timer, a polled job or polling redial, you must use function item 2.CANCEL JOB:

Don't forget, if you have set up a delayed sending job or a polled job with a document in the feeder, a waiting message will be shown in the display, but if you have set up a polling job, the normal date and time display will be shown.

To cancel a job:-



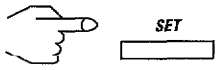
Press the FUNCTION key.



Press the 2 key to select the CANCEL JOB function.

2. CANCEL JOB

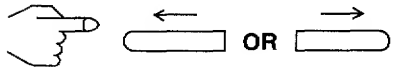
2.CANCEL JOB will appear in the display, then press the SET key.



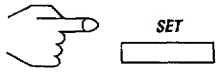
17:30 BROTHER
↓ ALTERNATE ↑
SELECT < > & SET

Any delayed transmission, polled jobs and polling redial that have been set up will appear in the display.

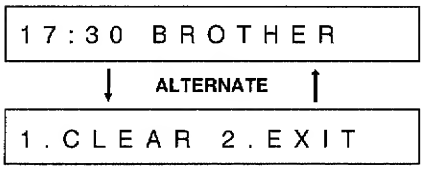
You will be prompted to select which job to cancel by using the cursor keys, then press the SET key. If only one job has been set, just press the SET key.



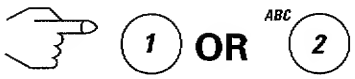
Use the cursor keys to select the job you wish to cancel.

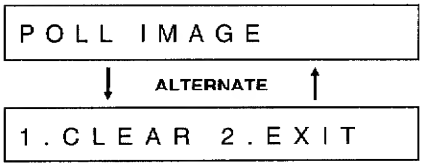


Press the SET key.

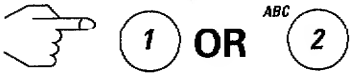


Press 1 to cancel the job or 2 to exit without cancelling. The selected job for cancelling is cancelled and the display will change to the next job.

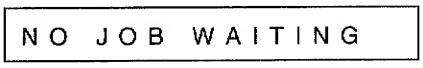




Remaining job will appear in the display.



If you wish to cancel the remaining job, press 1 again. Otherwise press 2 to exit.



If you selected cancel when no jobs were set, NO JOB WAITING message will appear in the display.

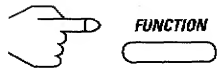
13. PRINTING LISTS AND REPORTS

The IntelliFAX600/650M can print out several different lists and reports, which are available under function item 3.PRINT REPORTS.

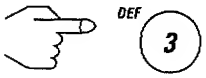
1.Activity Report

The activity report, is a log of incoming and outgoing faxes. It is normally printed out at a set interval, which is selected under function item 6 - SETUP SYSTEM.

The activity report can also be printed out immediately, as follows:

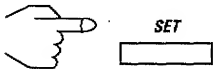


Press the FUNCTION key.

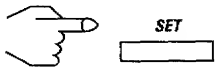


Press the 3 key to access PRINT REPORTS.

3. PRINT REPORTS will appear in the display, then press the SET key.

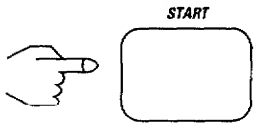


Press the 1 key to access ACT. REPORT.

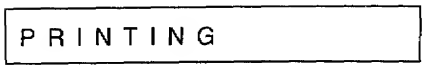


Press the SET key.

You will be prompted to press the START key.



Press the START key to print the activity report, otherwise press the STOP key to exit.



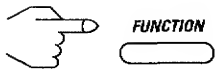
The activity report will be printed.

- An example of the activity report is shown on page 13–7.

2.All Dial List

The all dial list is a print reports of all numbers and names assigned to the 5 one-touch keys and to the 10 speed-dial numbers on the IntelliFAX600, or the 5 one-touch keys and the 40 speed-dial numbers on the IntelliFAX650M.

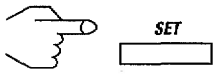
To print out the all dial list:-



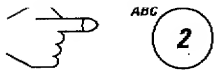
Press the FUNCTION key.

Press the 3 key to access PRINT REPORTS.

```
3.PRINT REPORTS
```

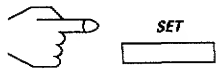


3.PRINT REPORTS will appear in the display, then press the SET key.



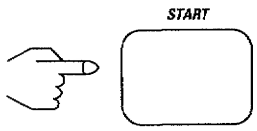
Press the 2 key to access ALL DIAL.

```
2.ALL DIAL
```



2.ALL DIAL will appear in the display, then press the SET key.

```
PRESS START KEY
```



You will be prompted to press the START key.

Press the START key to print the all dial list, otherwise press the STOP key to exit.

```
PRINTING
```

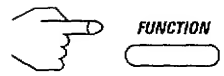
The all dial list will be printed.

- An example of the all dial list is shown on page 13–7.

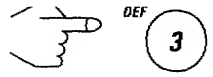
3.Coverpage

This option prints out a sample of the coverpage format.

To print out the sample coverpage:



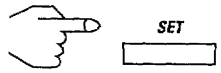
Press the FUNCTION key.

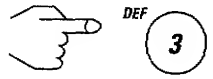


Press the 3 key to access PRINT REPORTS.

3.PRINT REPORTS

3.PRINT REPORTS will appear in the display, then press the SET key.

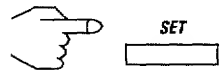




Press the 3 key to access COVERPAGE.

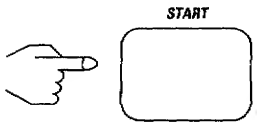
3.COVERPAGE

3.COVERPAGE will appear in the display, then press the SET key.



PRESS START KEY

You will be prompted to press the START key.



Press the START key to print the sample coverpage, otherwise press the STOP key to exit.

PRINTING

The sample coverpage will be printed.

- An example of the coverpage is shown on page 13–7.

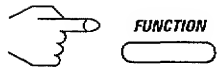
Note:

- The destination of sample coverpage is taken from one-touch dial number "01".
- If you have nothing programmed in that one-touch, the destination area will be left brank. Also, the total pages will always be "00", and the comment will always be "PLEASE CALL".

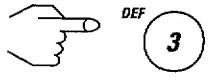
4.Call Back Message

You can print out a sample call back message.

To print out the call back message:-



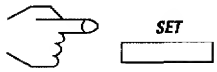
Press the FUNCTION key.

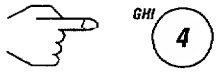


Press the 3 key to access PRINT REPORTS.

3.PRINT REPORTS

3.PRINT REPORTS will appear in the display, then press the SET key.

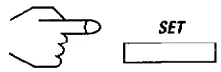




Press the 4 key to access CALL BACK MSG.

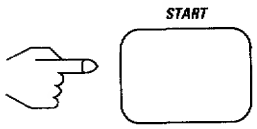
4.CALL BACK MSG

4.CALL BACK MSG will appear in the display, then press the SET key.



PRESS START KEY

You will be prompted to press the START key.



Press the start key to print the call back message, otherwise press the STOP key to exit.

PRINTING

The sample call back message will be printed.

- An example of the call back message is shown on page 13–8.

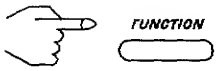
Note:

- The destination of sample call back message is taken from one-touch dial number "01". If you have nothing programmed in that one-touch, the destination area will be left blank.

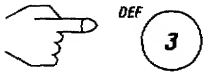
5.User Options

The User Option list is a print reports of the current settings of items set in the 5.USER OPTIONS and 6.SETUP SYSTEM functions.

To print out the User Option list:-

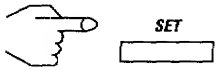


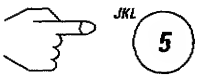
Press the FUNCTION key.



Press the 3 key to access PRINT REPORTS.

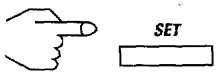
3.PRINT REPORTS will appear in the display, then press the SET key.



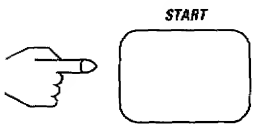


Press the 5 key to access USER OPTIONS.

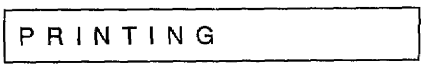
5.USER OPTIONS will appear in the display, then press the SET key.



You will be prompted to press the START key.



Press the START key to print the User Option list, otherwise press the STOP key to exit.



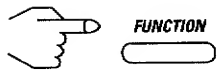
The User Option list will be printed.

- An example of the User Option list is shown on page 13–8.

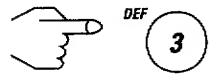
6.Transmission Verification (Xmit) Report

When switched on, the transmission verification report is printed every time a fax is sent, and confirms successful transmission (or not) of the fax. If there has been a transmission error, this report will be printed out in all cases.

It may be turned ON or OFF as follows:-



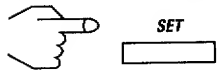
Press the FUNCTION key.

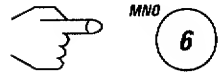


Press the 3 key to access PRINT REPORTS.

```
3.PRINT REPORTS
```

3.PRINT REPORTS will appear in the display, then press the SET key.

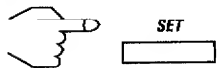




Press the 6 key to access XMIT REPORT.

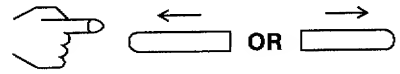
```
6.XMIT REPORT
```

6.XMIT REPORT will appear in the display, then press the SET key.



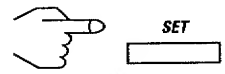

```
XMIT REPORT:OFF
      ↓ ALTERNATE ↑
SELECT < > & SET
```

You will be prompted to use the cursor keys to select ON or OFF.




```
XMIT REPORT:ON
```

If you wish to change the current status of the transmission verification report, press a cursor key and the SET key. Otherwise just press the STOP key to exit.



- An example of the transmission verification report is shown on page 13–10.

ACTIVITY REPORT

ACTIVITY REPORT

TIME: 08/13/1992 16:21
NAME: BROTHER
FAX: 052-811-5981
TEL: 052-824-2554

DATE	TIME	FAX NO./NAME	DURATION	PAGE (S)	RESULT	COMMENT
08/13	16:20	111 222 3333	21	01	ERROR	RX A0 01

CV: COVERPAGE
CA: CALL BACK MSG
POL: POLLING

ALL DIAL LIST

ALL DIAL LIST

TIME: 08/13/1992 16:21
NAME: BROTHER
FAX: 052-811-5981
TEL: 052-824-2554

ONE-TOUCH DIAL

NUMBER	FAX/TEL NUMBER		DESTINATION	
*1	61-2018285881	FAX	AUSTRALIA OFFICE	
*2	234-5678	TEL	ABC COMPANY	
*3	334-5566	FAX	HEAD OFFICE	
*4				
*5 @	824-2938	CHAIN	IMAGE SYSTEMS DIV.	

SPEED-DIAL

NUMBER	FAX/TEL NUMBER		DESTINATION	
#01	5892786	F/T	PTWMJG M. COMPANY	
#02 @	1234567	CHAIN	W. COMPANY	
#03	03-256-1121	FAX	OSAKA OFFICE	
#04				
#05				
#06				
#07				
#08				
#09				
#10				

@: CHAIN

COVER PAGE

=== COVER PAGE ===

TO: NJ OFFICE
FAX: 908-356-8880
FROM: BROTHER
FAX: 052-811-5981
TEL: 052-824-2554

00 PAGE [S] TO FOLLOW

COMMENT: PLEASE CALL

CALL BACK MESSAGE

=== CALL BACK MESSAGE ===

TO: NJ OFFICE

FAX: 908-356-8880

FROM: BROTHER

PLEASE CALL AT [TEL] 052-824-2554

[FAX] 052-811-5981

USER OPTION LIST

USER OPTION LIST

TIME: 08/13/1992 16:21
NAME: BROTHER
FAX: 052-811-5981
TEL: 052-824-2554

TRANSMISSION VERIFICATION REPORT	: ON

TONE/PULSE	:TONE
RING DELAY	: 04 RING (S)
AUTO REDIAL	: ON
SPEAKER VOLUME	: LOW
F/T RING TIME	: 30 SEC
SMOOTHING	: ON
BEEPER	: ON
COVERPAGE	: ON
RING VOLUME	: LOW

DATE/TIME		
DATE	: 08/13/1992	
TIME	: 16:22	
DAILY TIMER	: 00:00	
ACTIVITY REPORT INTERVAL	: 12 HOURS	
START TIME	: 00:00	
FAX REMOTE CODE	: OFF	
STATION ID		
NAME	: BROTHER	
FAX	: 052-811-5981	
TEL	: 052-824-2554	
COVERPAGE COMMENT		
5	: NOT USED	(IntelliFAX650M only)
6	: NOT USED	

TRANSMISSION VERIFICATION REPORT

(When the transmission was successful.)

TRANSMISSION VERIFICATION REPORT

TIME: 08/13/1992 16:24
NAME: BROTHER
FAX: 052-811-5981
TEL: 052-824-2554

DATE, TIME	08/13 16:23
FAX NO./NAME	1
DURATION	00:00:17
PAGE (S)	01
RESULT	OK
MODE	STANDARD

(When the transmission was not successful.)

TRANSMISSION VERIFICATION REPORT

TIME: 08/13/1992 16:24
NAME: BROTHER
FAX: 052-811-5981
TEL: 052-824-2554

DATE, TIME	08/13 16:23
FAX NO./NAME	1
DURATION	00:00:17
PAGE (S)	01
RESULT	ERROR
CHECK READABILITY OF TRANSMITTED PAGE (S)	01
MODE	STANDARD

14. TROUBLESHOOTING

Your IntelliFAX600/650M should provide you with many years of trouble-free service. However, if any problems do occur when using the machine, the following guide will help you to decide if the problem lies with the IntelliFAX600/650M, with another fax machine, or with the telephone network.

In many cases when a problem occurs, an error message will appear in the display, which will help you to decide the cause of the problem. When this happens, you should make a note of the error message, press the STOP key to terminate the current operation, then try to find the cause of the problem.

The troubleshooting guide is divided into sections, according to the type of operation being performed when the problem occurs. Where a problem produces an error message, the error message is shown.

If you are not able to solve a problem with your fax machine after reading this section then, contact Brother service personnel at 1-800-284-4 FAX. (U.S.A. only).

Image Quality

Poor image quality is one of the commonest problems with fax machines. It can occur when copying, transmitting, or receiving faxes, and may arise from a variety of causes. If image quality problems occur, your first step should be to make a copy from a good original to check that the problem does not lie in the scanner or printer of your IntelliFAX600/650M. If you can make a good copy, then the problem is almost certainly not in the IntelliFAX600/650M, and you can go on to check other possible reasons for the problem.

General Machine Errors And Paper Jams

PROBLEM	POSSIBLE CAUSE	ACTION	Ref.
DOCUMENT JAM	• Unsuitable type of document • Too thick • Too thin • Wrinkled • Damp • Staples or paperclips • Document guide	• Open the cover and remove the document. Try again using a photocopy of the document • Adjust the guides located on either side of the document.	2–2

General Machine Errors And Paper Jams

PROBLEM	POSSIBLE CAUSE	ACTION	Ref.
COVER OPEN	• The cover is not latched properly	• Push down the cover gently but firmly until the latches click	2–2
PAPER ROLL EMPTY	• The recording paper roll is empty	• Install a new roll of recording paper	2–2
PAPER SET ERROR	• The recording paper roll is not set correctly	• Set the roll correctly	2–2
SCANNER ERROR	• Dirt on the scanner	• Clean the scanner • Contact your Brother service if the problem persists	15–1
PRINTER FAULT ↓ ALTERNATE ↑ PRESS STOP KEY	• Overheating of the thermal print head • Fault in the thermal print head	• Check that ventilation slots in the back and base of the machine are unobstructed before re-connecting • Contact your Brother service if the problem persists	
PRINTER JAM CUTTER JAM	• The recording paper roll is not set correctly • The recording paper or something is in the cutter unit	• Set the roll correctly • Open the cover and remove objects from the cutter unit	2–2
MACHINE ERROR XX ↓ ALTERNATE ↑ PRESS STOP KEY	• Overheating, etc.	• Check that ventilation slots in the back and base of the machine are unobstructed before re-connecting • Contact your Brother service if the problem persists	

Problems When Copying

PROBLEM	POSSIBLE CAUSE	ACTION	Ref.
Copy is blank or faint	• The original document was put in the feeder upside-down • Recording paper roll installed the wrong way round • Wrong type of recording paper	• Replace the document in the feeder the correct way up • Replace recording paper roll the correct way round • Replace with the correct Brother paper	2–2
Overall poor image quality	• Poor quality original • Inappropriate resolution setting	• Use only good quality originals • Use PHOTO mode for photographs • Replace with the correct Brother paper.	8–5
Vertical streaks on the copy	• Dirt on the scanner • Scanner fault • Dirt on the thermal print head • Printer fault	• Clean the scanner • Contact your Brother service if the problem persists • Clean the print head • Contact your Brother service if the problem persists	15–1

Problems When Dialing

PROBLEM	POSSIBLE CAUSE	ACTION	Ref.
NOT REGISTERED	• The one-touch key or speed-dial number you selected has no number assigned to it	• Dial the number manually, or enter the number in the auto dialing memory	8–1
Dialing does not work	• The call failed to connect • You have set TONE/PULSE dialing incorrectly • Telephone line disconnected or faulty • Power not connected	• Check the number and try again • Check the type of dialling on your telephone line • Check the connection and test the line with a known good telephone • Check that the LCD is indicating date and time. re-connecct the power if necessary	5 2 2–6 2–5

Problems When Dialing

PROBLEM	POSSIBLE CAUSE	ACTION	Ref.
NO RESPONSE/BUSY ↓ ALTERNATE ↑ PRESS STOP KEY	• The number you called is busy or does not reply • TONE/PULSE dialing is set incorrectly • The number called is not a fax machine	• Check the number and try again later • Set TONE/PULSE dialing correctly	5–2
Ring signal does not sound Ring signal continues ringing	• Power cord is not connected to outlet • Manual reception is set • Ring delay is set to zero	• Connect the power cord • Check reception mode • Set ring delay to 1 or more	2–5

Problems When Sending A Fax

PROBLEM	POSSIBLE CAUSE	ACTION	Ref.
COMM.ERROR XX YY ↓ ALTERNATE ↑ PRESS STOP KEY	• A communication error occurred during transmission • Poor telephone line quality	• Re-send the document • Contact your telephone installer if the problem recurs when sending to other destinations	
DISCONNECTED ↓ ALTERNATE ↑ PRESS STOP KEY ex) XX YY = 2001 or 2008	• The called party disconnected the line	• Call the other party to check what happened	
CONNECTION FAIL ↓ ALTERNATE ↑ PRESS STOP KEY	• The other party is not ready for polling	• Ask the other party to be ready for polling	11–4
Recipient reports received copy is blank or faint	• You put the document in the feeder upside-down • Recording paper roll wrongly installed in receiving machine • Wrong recording paper in receiving machine	• Re-send the document correctly • Ask the recipient to check • Ask the recipient to check	
Recipient reports generally poor copy quality	• Poor quality original • Inappropriate resolution setting • Scanner is dirty	• Use only good quality originals • Use FINE or SUPERFINE resolution • Use PHOTO mode for photographs • Clean the scanner	8–5 15–1

Problems When Receiving A Fax

PROBLEM	POSSIBLE CAUSE	ACTION	Ref.
Poor overall received copy quality	• Poor quality original • Inappropriate resolution setting	• Ask the sender to re-transmit from a good original • Ask the sender to re-transmit using FINE, SUPERFINE or PHOTO mode as appropriate	8–5
Vertical streaks on the received copy	• Dirt on the print head • Printer fault • Dirt on the scanner of the sending fax • Fault in the scanner of the sending fax	• Clean the print head • Contact your dealer if the problem persists • Ask the sender to check • Ask the sender to check	15–1
Horizontal streaks or missed lines on the received copy	• Poor telephone line quality	• Ask the sender to re-transmit • Contact your telephone installer if the problem recurs when receiving from other locations	

Problems When Polling

PROBLEM	POSSIBLE CAUSE	ACTION	Ref.
Polling is unsuccessful	• The machine you tried to poll was not set up to be polled	• Contact the other party and ask them to set up their machine to be polled, then try again	
ID MISMATCH ↓ ALTERNATE ↑ PRESS STOP KEY	• The password (POLLING ID) for secure polling did not match that set on the other machine	• Contact the other party and check the polling password	11–2

Others

PROBLEM	POSSIBLE CAUSE	ACTION	Ref.
COMM.ERROR XX YY ↓ ALTERNATE ↑ PRESS STOP KEY ex) XX YY = 4006 or 4013	• 4006 indicates that a unit which has not been set up for polling has been polled by another unit. • 4013 indicates that the machine has been set up for secure polling, but the polling request has come from a unit which is not a Brother machine.	• Set the polling, then contact the other party. • Set the secure polling, then contact the other party.	11-2

15. CLEANING

Regular cleaning will help to ensure a long and useful life for your IntelliFAX600/650M, as well as maintaining its appearance.

For best results the scanner and thermal print head of the machine should be cleaned whenever you replace a roll of recording paper.

The following points should be borne in mind.

1. To avoid the risk of electric shock, always unplug the machine before cleaning. This unit has no ON/OFF switch.

2. Do not use excessive water or organic solvents of any kind (for example thinners) to clean the machine. Use isopropyl alcohol as specified for cleaning the scanner and printer.

3. Wipe dirt from the outside surfaces of the machine using a slightly damp (but not dripping) cloth.

Cleaning The Printer And Scanner

After unplugging the machine, open the cover and remove the roll of recording paper.

Moisten a small piece of soft lint-free cloth with isopropyl alcohol, and wipe it across the edge of the print head until no more dirt appears on the cloth.

Moisten a small piece of soft, lint-free cloth with isopropyl alcohol, and carefully remove and dirt from the glass cover and the white tape of the scanner.

16. SPECIFICATIONS

Type	Desktop facsimile transceiver
Compatibility	CCITT Group 3
Coding System	Modified Hufffman (MH)
Modulation	CCITT V.27 ter and 29 (9600 bps)
Document input width	5.8 inches to 8.5 inches
Scanning/Printing width	8.2 inches
Paper roll size	8.5 inches × 98 feet
Printer type	Line thermal
Gray scale	16 levels
Paper cutter	Automatic
Display	LCD, 16 characters
Polling types	Standard, Secure
Contrast control	Automatic/Super Light/Super Dark (manual setting)
Resolution	• Standard (98 × 203 lines per inch.) • Fine (196 × 203 lines per inch.) • Superfine (392 × 203 lines per inch.) • Photo (196 × 203 lines per inch.)
One-touch dial	5 stations
Speed-dial	10 stations on the IntelliFAX600 40 stations on the IntelliFAX650M
Memory (only for IntelliFAX650M)	256 KB
Automatic redial	3 times at 5 minute intervals
Speaker type	Monitor
Auto answer	0, 1, 2, 3 or 4 rings
Communications source	Public switched telephone network
Operating environment	41 – 95°F
Power source	120V AC 50/60Hz (U.S.A., Canadian Version Only) 220V AC 50Hz (Specified Market Version Only) * See your raiting plate on the back of the machine.
Power consumption	Standby: under 15 watts Peak: under 150 watts
Dimensions	378 × 303 × 113 (mm)/14.9 × 11.9 × 4.4 (inches)
Weight	5.0 kg/11.0 lbs

Specifications are subject to change for improvement without prior notice.

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